

10/018,962

=> s l1 sss full

FULL SEARCH INITIATED 13:14:29 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 320 TO ITERATE

100.0% PROCESSED 320 ITERATIONS 171 ANSWERS
SEARCH TIME: 00.00.01

L3 171 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	165.35	167.66

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FILE COVERS 1907 - 22 Apr 2003 VOL 138 ISS 17
FILE LAST UPDATED: 21 Apr 2003 (20030421/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 4 L3

=> d l4 1-4 bib abs hitstr

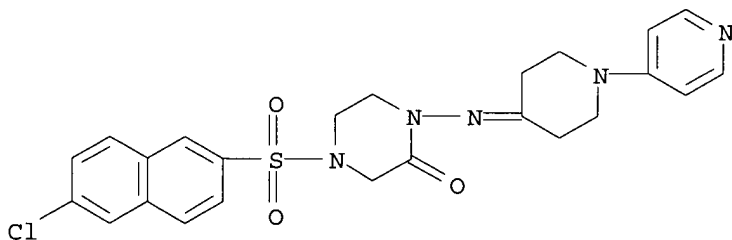
10/018,962

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
AN 2001:676764 CAPLUS
DN 135:227017
TI Process for preparation of hydrazine derivatives
IN Mizufune, Hideya; Nakamura, Minoru; Yamamoto, Hiroaki; Miki, Shokyo
PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN. CNT 1

SAME CC

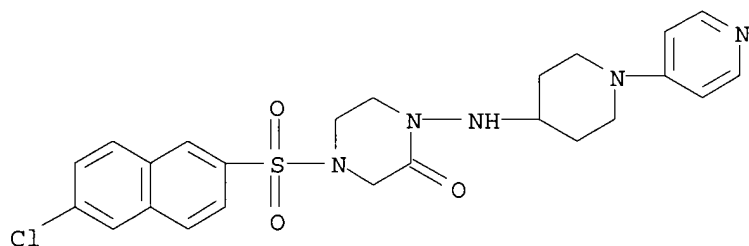
LATER

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001066541	A1	20010913	WO 2001-JP1750	20010307
	W: AE, AG, AL, AM, AT, AU , AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	JP 2001322991	A2	20011120	JP 2001-64660	20010308
PRAI	JP 2000-68670	A	20000308		
OS	CASREACT 135:227017; MARPAT 135:227017				
AB	This document discloses industrial processes for prepg. hydrazine derivs., e.g. R1R2NNHCHR3R4 [wherein R1, R2, R3 and R4 are each hydrogen, an optionally substituted hydrocarbon group, or the like] by reducing hydrazone derivs. <u>with a solid amine-borane complex</u> . These processes make it possible to prep. hydrazine derivs. useful as drugs, agricultural chems., foods, cosmetics, or chem. products, or intermediates thereof. Thus, 4-(6-chloronaphthalen-2-sulfonyl)-1-[1-(4-pyridyl)-4-piperidinylamino]-2-piperazinone was prepd. in 84% yield by redn. of the corresponding hydrazone deriv. by borane dimethylamine complex.				
IT	315485-97-3P 315486-01-2P 315494-83-8P 359763-33-0P				
	RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (process for prepn. of hydrazine derivs.)				
RN	315485-97-3 CAPLUS				
CN	Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)				

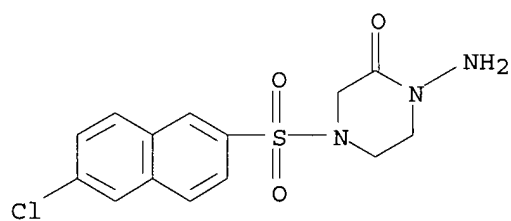


RN 315486-01-2 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

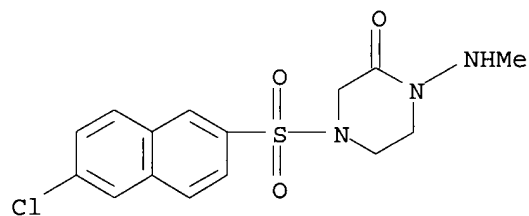
10/018,962



RN 315494-83-8 CAPLUS
CN Piperazinone, 1-amino-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)

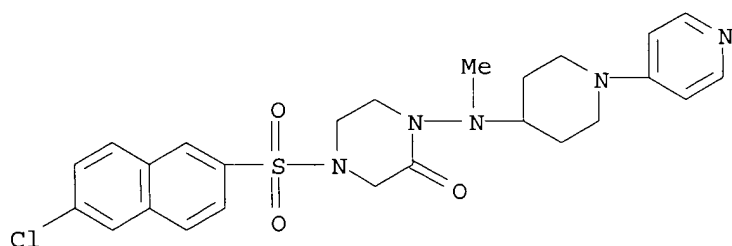


RN 359763-33-0 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-(methylamino)- (9CI) (CA INDEX NAME)



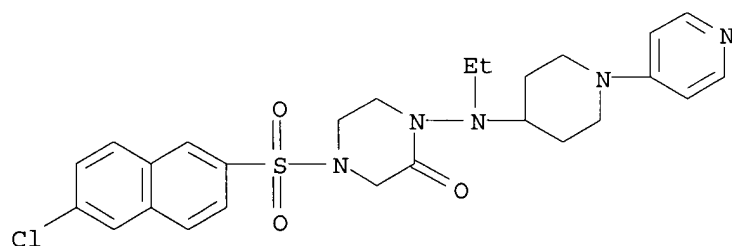
IT **315487-42-4P 315487-63-9P 315487-67-3P**
315488-31-4P 315489-14-6P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(process for prepn. of hydrazine derivs.)
RN 315487-42-4 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



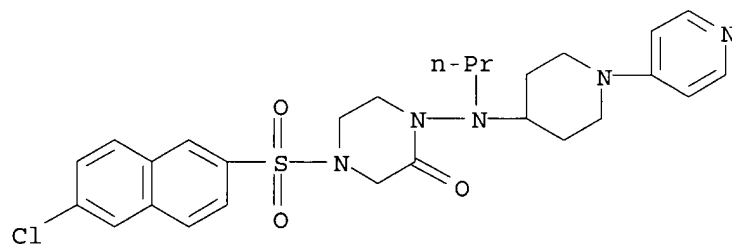
RN 315487-63-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-67-3 CAPLUS

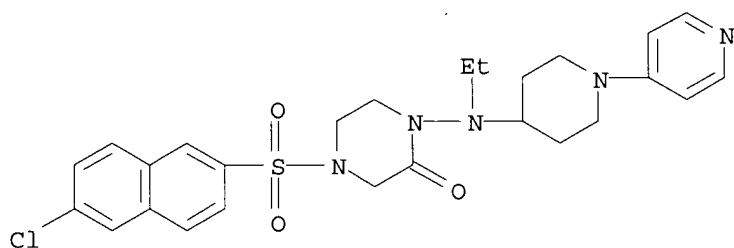
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[propyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-31-4 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

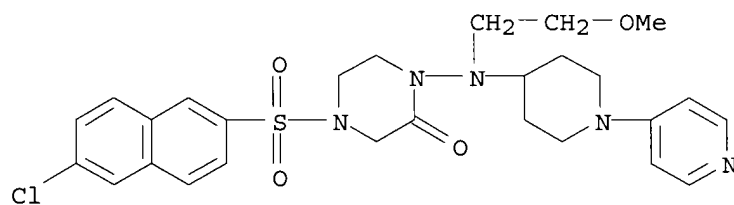
10/018,962



O HCl

RN 315489-14-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(2-methoxyethyl)(1-(4-pyridinyl)-4-piperidinyl)amino]- (9CI) (CA INDEX NAME)



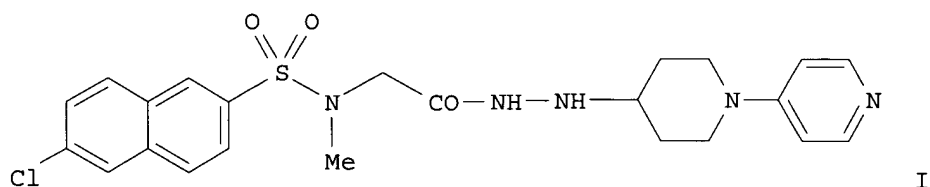
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/018,962

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
AN 2000:911242 CAPLUS
DN 134:71607
TI Preparation and effect of acylhydrazine derivatives as activated blood
coagulation factor X inhibitors
IN Itoh, Fumio; Hosono, Hiroshi; Kawamura, Masaki; Kubo, Keiji
PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 202 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

APPS
PCT

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000078747	A1	20001228	WO 2000-JP4034	20000621
	W:	AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1188755	A1	20020320	EP 2000-940768	20000621
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2001278882	A2	20011010	JP 2000-192697	20000622
PRAI	JP 1999-176057	A	19990622		
	JP 1999-266280	A	19990920		
	JP 2000-17956	A	20000124		
	WO 2000-JP4034	W	20000621		
OS	MARPAT 134:71607				
GI					



AB Novel acylhydrazine derivs. exhibiting an inhibitory activity against activated blood coagulation factor X, which are compds. of general formula $RSO_2NR_1X_1CDNR_2AX_2Z$ or salts thereof, [wherein R is an optionally substituted hydrocarbon group or an optionally substituted heterocyclic group; R1 and R2 are each hydrogen or optionally substituted hydrocarbyl, or alternatively R1 and R2 or the substituent of X1 and R2 may be united to form an optionally substituted ring; X1 and X2 are each free valency, optionally substituted alkylene, or optionally substituted imino; D is oxygen or sulfur; A is N(R3)Y or N:Y; R3 is hydrogen, optionally substituted hydrocarbyl, or acyl; Y is an optionally substituted chain hydrocarbon group or an optionally substituted cyclic group; and Z is (1) optionally substituted amino, (2) optionally substituted imidoyl, or (3) an optionally substituted nitrogenous heterocycle group] are prepd. Thus, the title compd. I was prepd.

IT 315485-97-3P 315486-01-2P 315486-05-6P

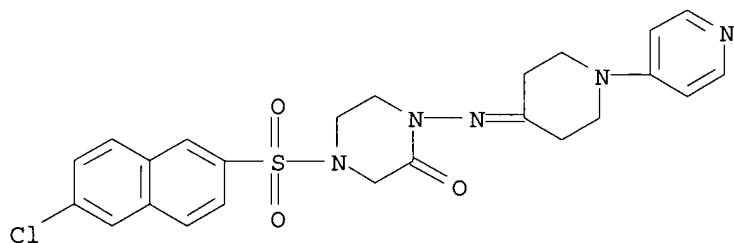
315486-09-0P 315486-27-2P 315486-31-8P
 315486-41-0P 315486-53-4P 315487-28-6P
 315487-55-9P 315487-63-9P 315487-91-3P
 315487-95-7P 315488-04-1P 315488-08-5P
 315488-19-8P 315488-43-8P 315488-61-0P
 315489-68-0P 315489-72-6P 315489-80-6P
 315490-36-9P 315490-40-5P 315490-50-7P
 315490-80-3P 315491-09-9P 315491-14-6P
 315491-18-0P 315491-22-6P 315491-45-3P
 315491-57-7P 315491-83-9P 315495-89-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

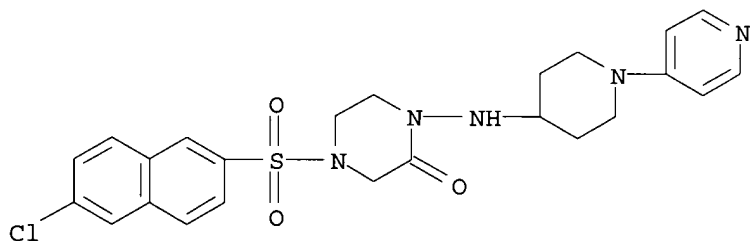
RN 315485-97-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



RN 315486-01-2 CAPLUS

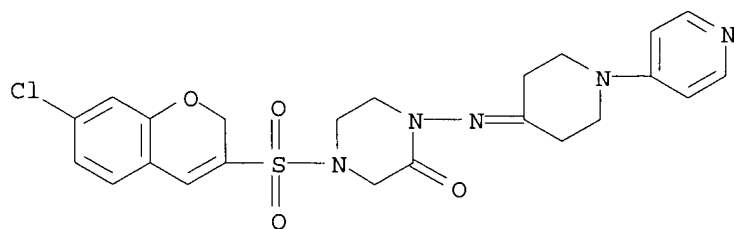
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-05-6 CAPLUS

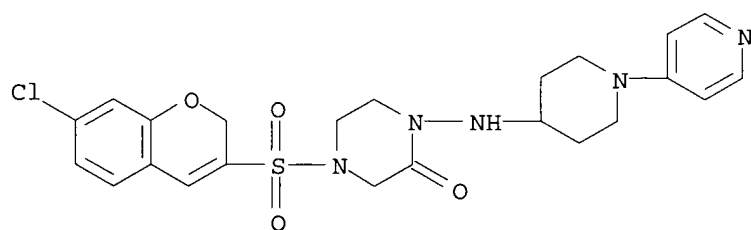
CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)

10/018,962



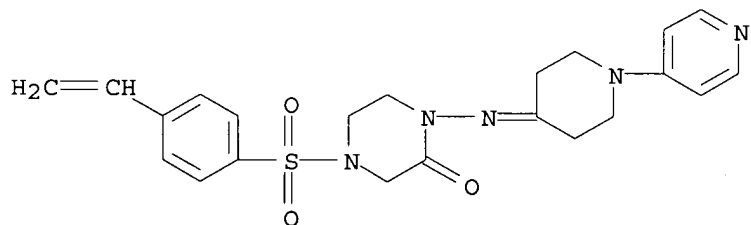
RN 315486-09-0 CAPLUS

CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



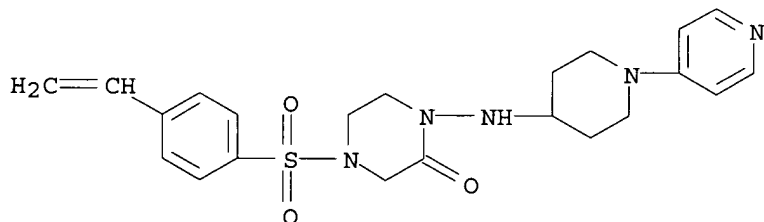
RN 315486-27-2 CAPLUS

CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



RN 315486-31-8 CAPLUS

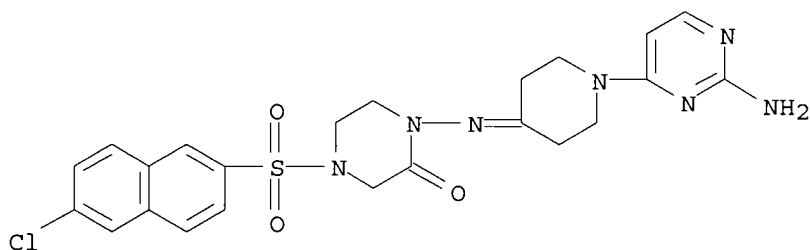
CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



RN 315486-41-0 CAPLUS

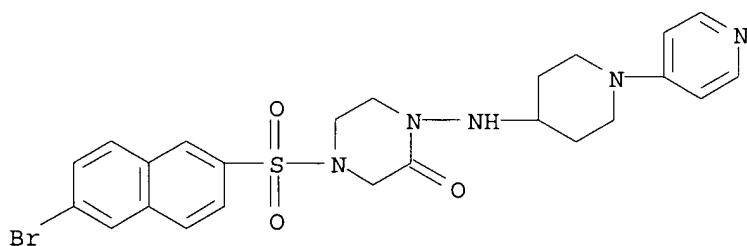
CN Piperazinone, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinylidene]amino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)

10/018,962



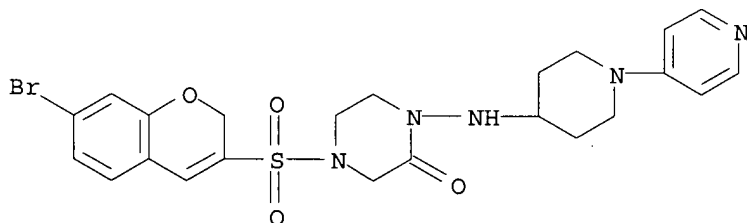
RN 315486-53-4 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



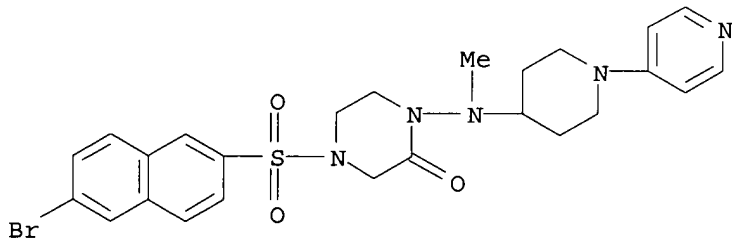
RN 315487-28-6 CAPLUS

CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-55-9 CAPLUS

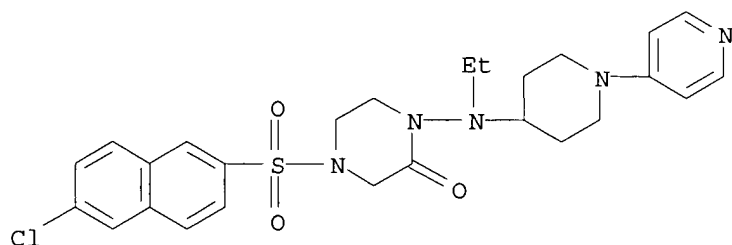
CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-63-9 CAPLUS

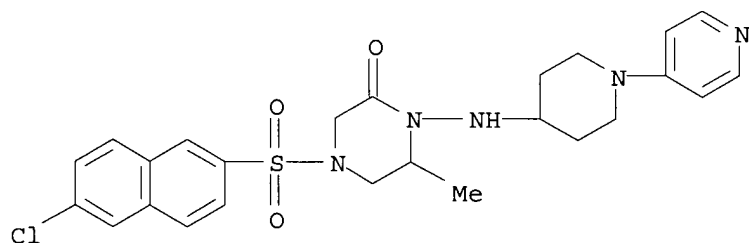
10/018,962

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-91-3 CAPLUS

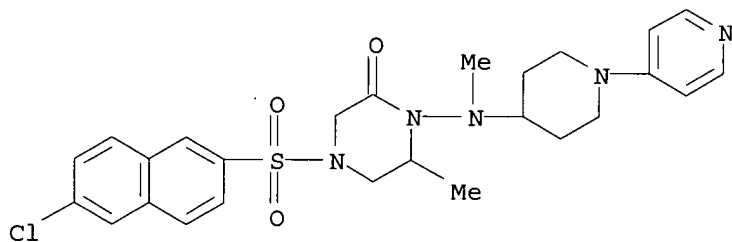
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315487-95-7 CAPLUS

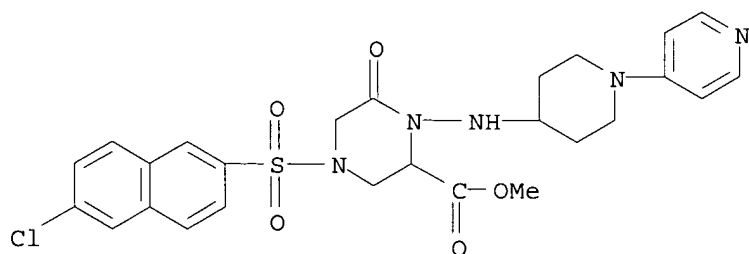
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-04-1 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)

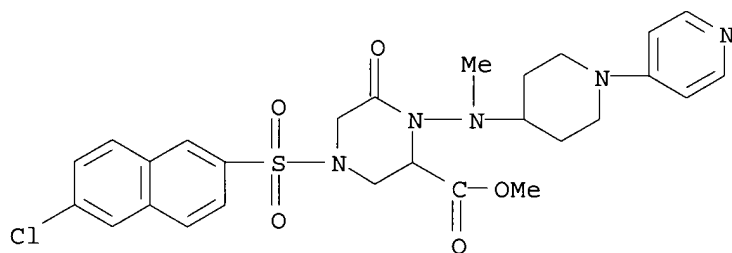
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○₂ HCl

RN 315488-08-5 CAPLUS

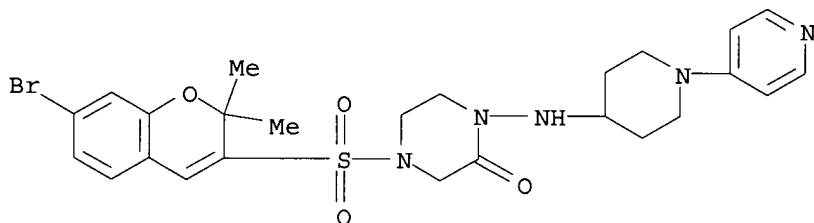
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315488-19-8 CAPLUS

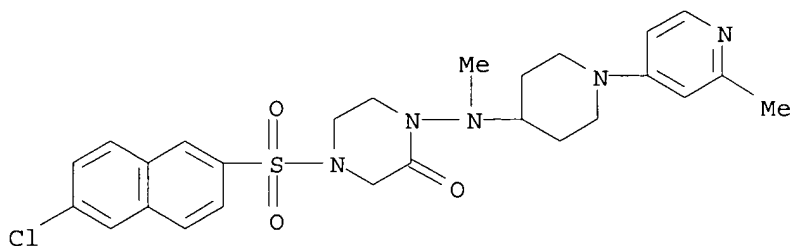
CN Piperazinone, 4-[(7-bromo-2,2-dimethyl-2H-1-benzopyran-3-yl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-43-8 CAPLUS

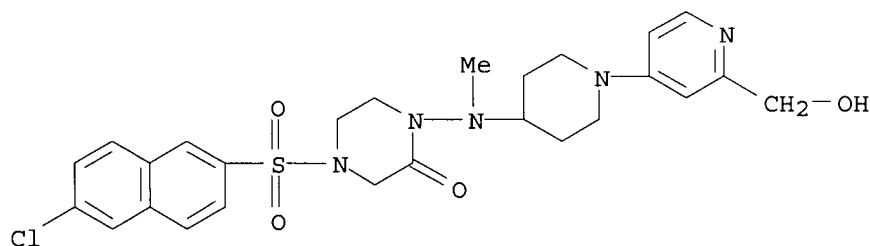
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



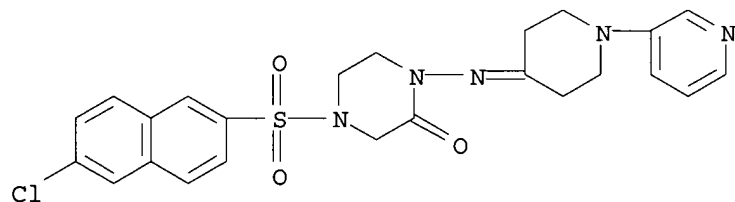
RN 315488-61-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



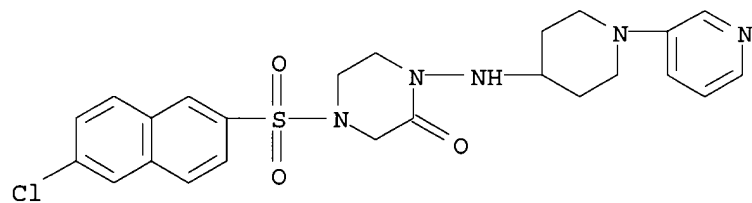
RN 315489-68-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



RN 315489-72-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

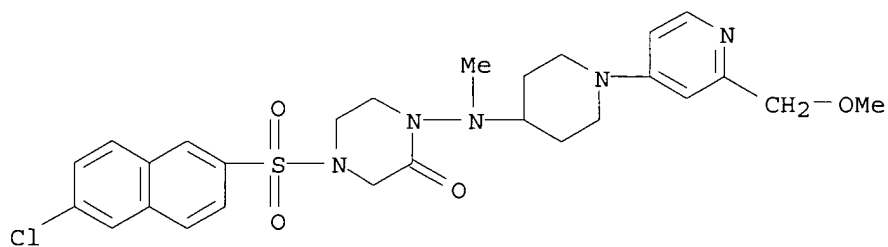


RN 315489-80-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(methoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)

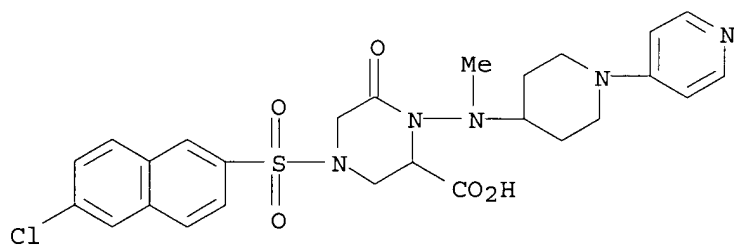
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NAME)



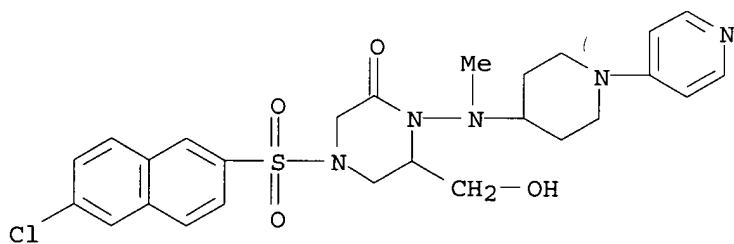
RN 315490-36-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



RN 315490-40-5 CAPLUS

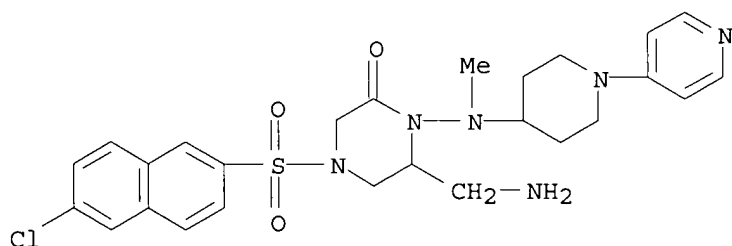
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊖ HCl

RN 315490-50-7 CAPLUS

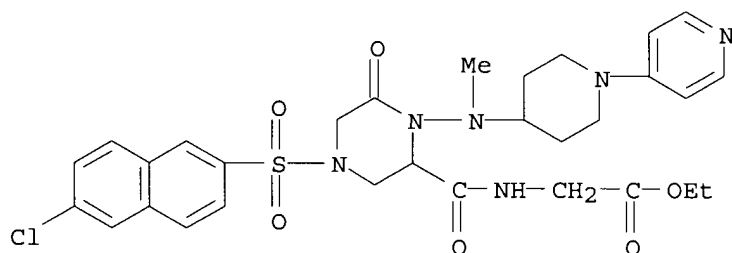
CN Piperazinone, 6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



⊙2 HCl

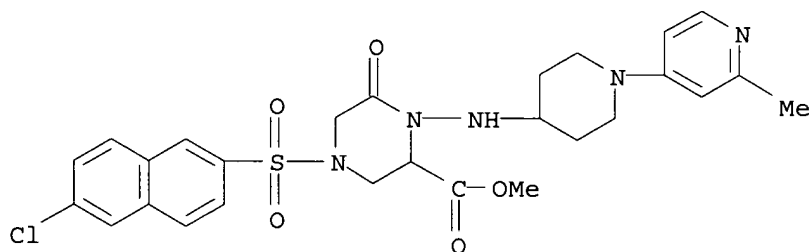
RN 315490-80-3 CAPLUS

CN Glycine, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 315491-09-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)

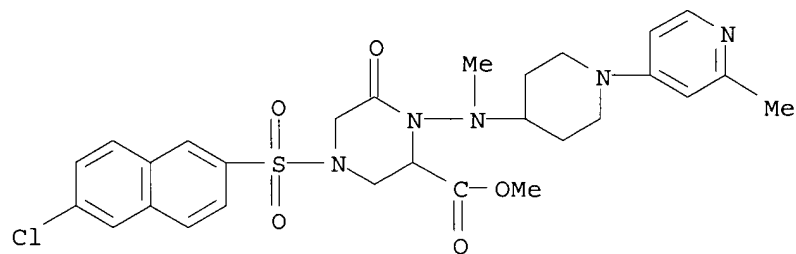


○2 HCl

RN 315491-14-6 CAPLUS

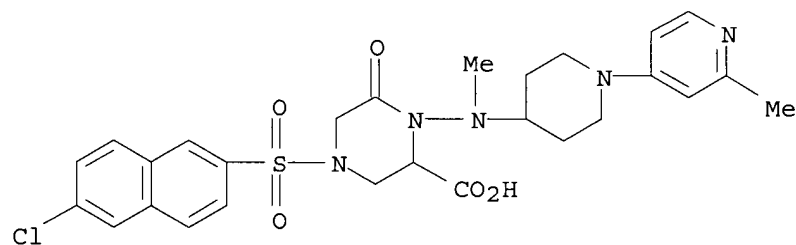
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/018,962

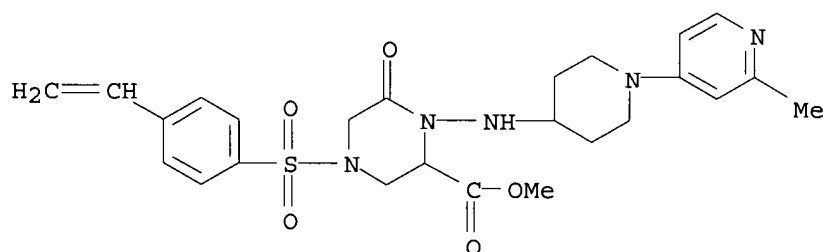


○ HCl

RN 315491-18-0 CAPLUS
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)

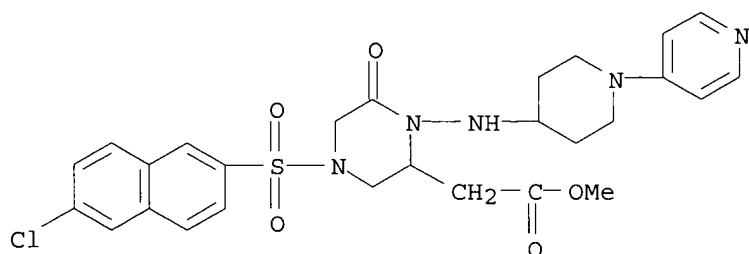


RN 315491-22-6 CAPLUS
CN 2-Piperazinecarboxylic acid, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



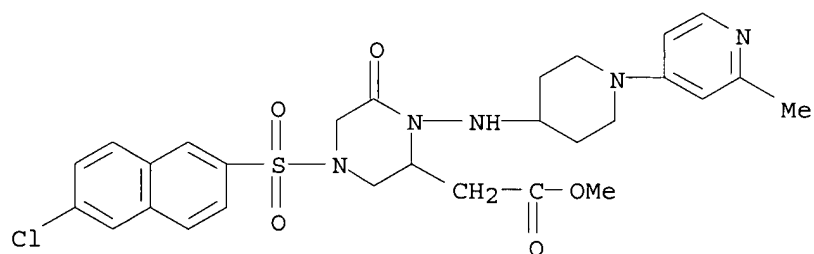
RN 315491-45-3 CAPLUS
CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

10/018,962



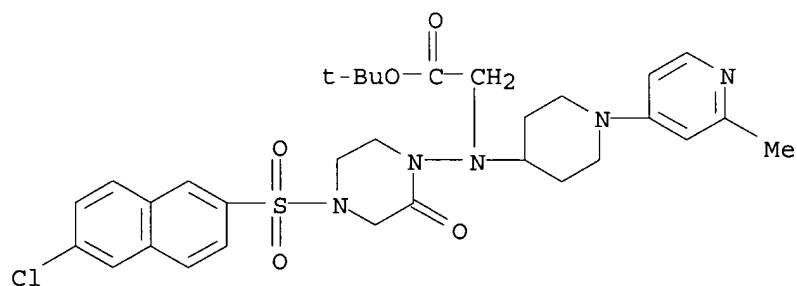
RN 315491-57-7 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



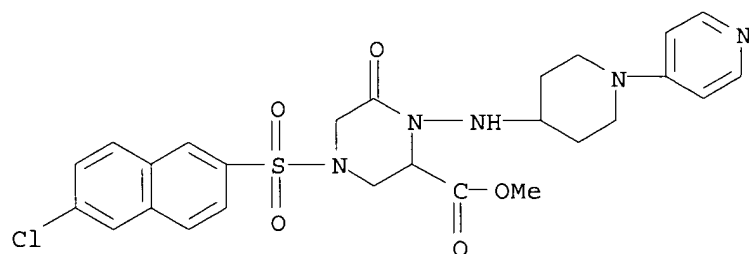
RN 315491-83-9 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315495-89-7 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



IT 315486-14-7P 315486-18-1P 315486-23-8P
 315486-36-3P 315486-45-4P 315486-49-8P
 315486-57-8P 315486-61-4P 315486-68-1P
 315486-72-7P 315486-76-1P 315486-80-7P
 315486-84-1P 315486-88-5P 315486-92-1P
 315486-96-5P 315487-00-4P 315487-04-8P
 315487-07-1P 315487-11-7P 315487-15-1P
 315487-19-5P 315487-24-2P 315487-33-3P
 315487-38-8P 315487-42-4P 315487-46-8P
 315487-50-4P 315487-59-3P 315487-67-3P
 315487-71-9P 315487-79-7P 315487-83-3P
 315487-88-8P 315488-00-7P 315488-12-1P
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 315491-79-3P 315491-88-4P 315492-23-0P
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 315492-42-3P 315492-46-7P 315492-50-3P

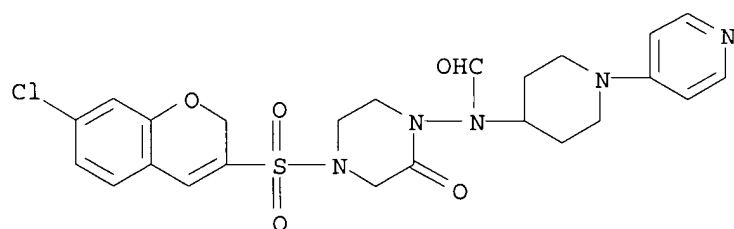
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

RN 315486-14-7 CAPLUS

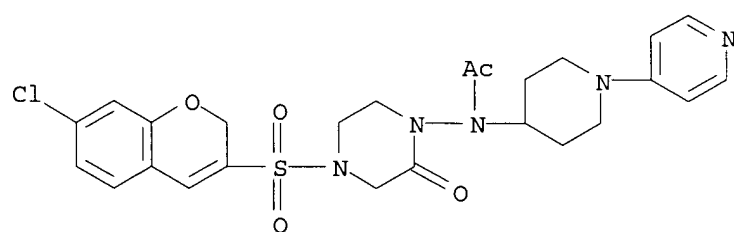
CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[formyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



RN 315486-18-1 CAPLUS

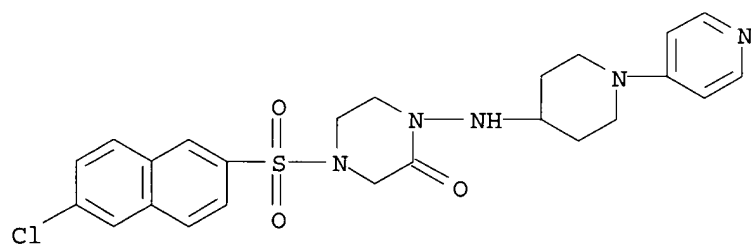
CN Acetamide, N-[4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(4-pyridinyl)-4-piperidinyl]-, monohydrochloride (9CI)
(CA INDEX NAME)



⊗ HCl

RN 315486-23-8 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

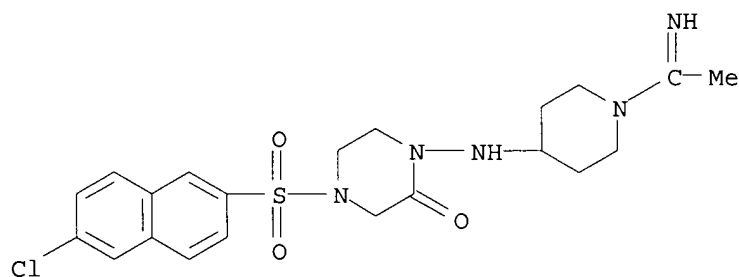


⊗ HCl

RN 315486-36-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

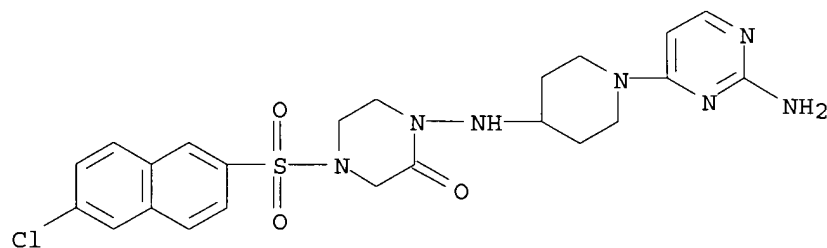
10/018,962



O HCl

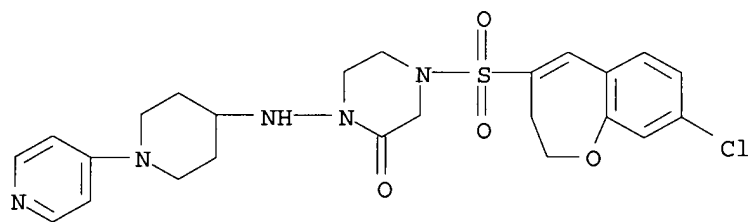
RN 315486-45-4 CAPLUS

CN Piperazinone, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinyl]amino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 315486-49-8 CAPLUS

CN Piperazinone, 4-[[8-chloro-2,3-dihydro-1-benzoxepin-4-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

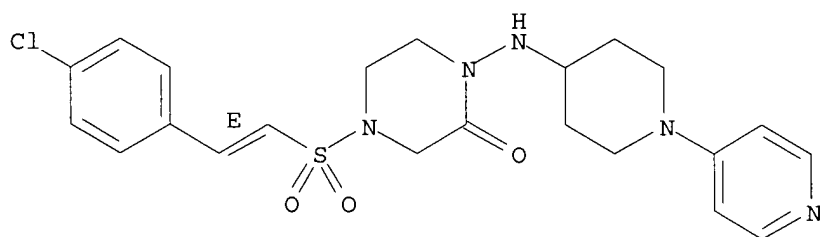


RN 315486-57-8 CAPLUS

CN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

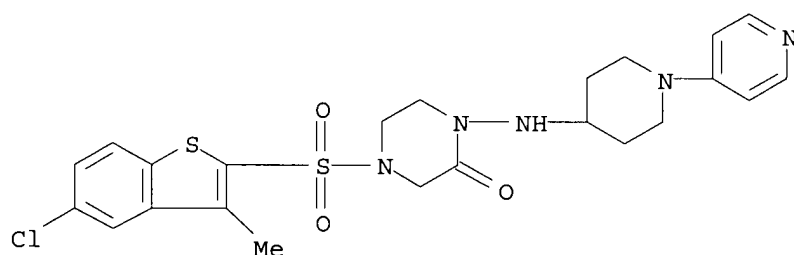
Double bond geometry as shown.

10/018,962



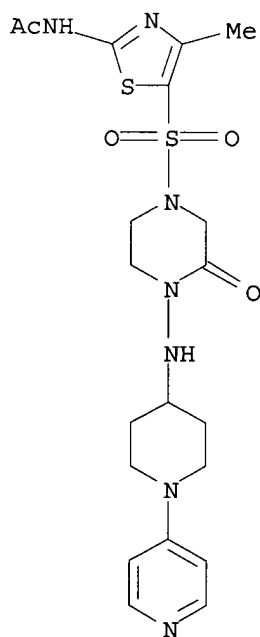
RN 315486-61-4 CAPLUS

CN Piperazinone, 4-[(5-chloro-3-methylbenzo[b]thien-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-68-1 CAPLUS

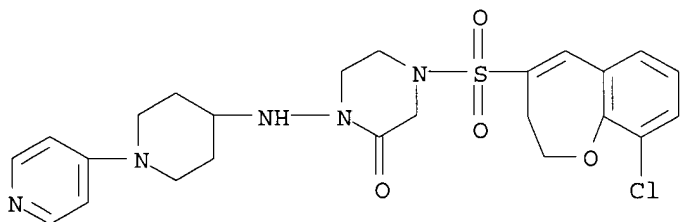
CN Acetamide, N-[4-methyl-5-[[[3-oxo-4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-1-piperazinyl]sulfonyl]-2-thiazolyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 315486-72-7 CAPLUS

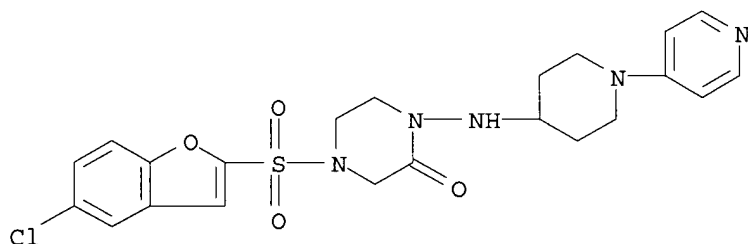
CN Piperazinone, 4-[(9-chloro-2,3-dihydro-1-benzoxepin-4-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



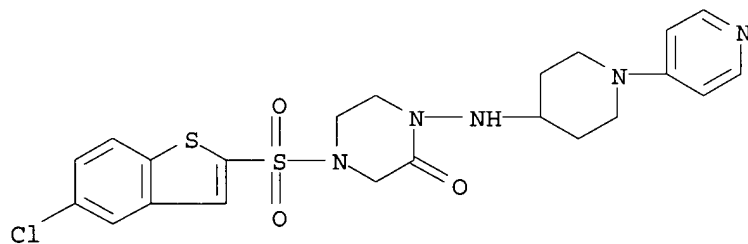
RN 315486-76-1 CAPLUS

CN Piperazinone, 4-[(5-chloro-2-benzofuranyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-80-7 CAPLUS

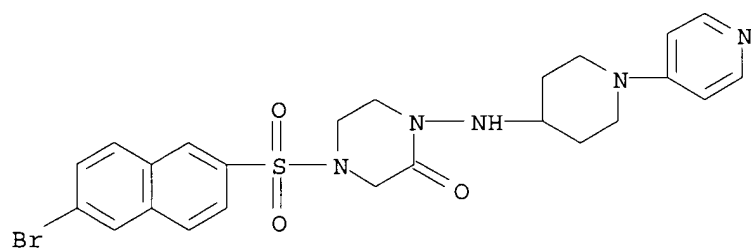
CN Piperazinone, 4-[(5-chlorobenzo[b]thien-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-84-1 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

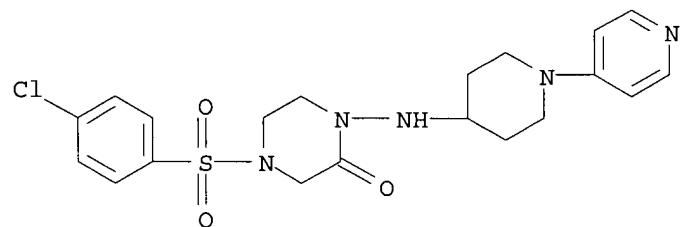
10/018,962



○₂ HCl

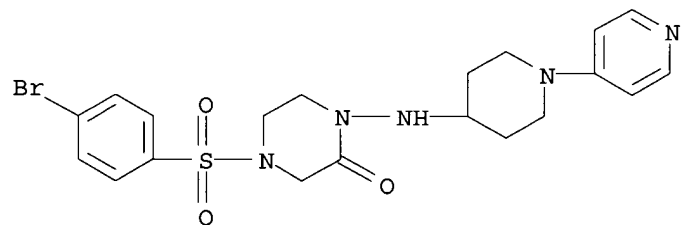
RN 315486-88-5 CAPLUS

CN Piperazinone, 4-[(4-chlorophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-92-1 CAPLUS

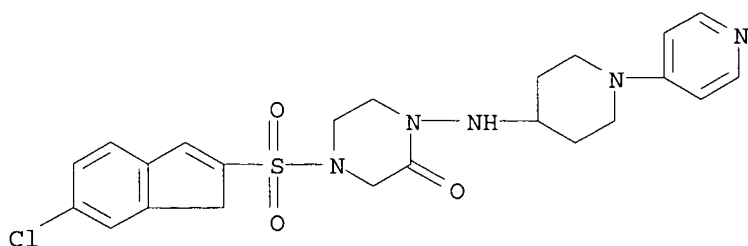
CN Piperazinone, 4-[(4-bromophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-96-5 CAPLUS

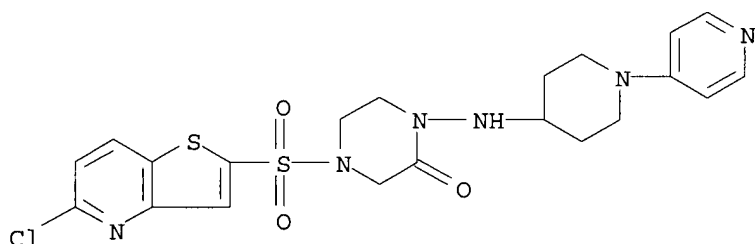
CN Piperazinone, 4-[(6-chloro-1H-inden-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



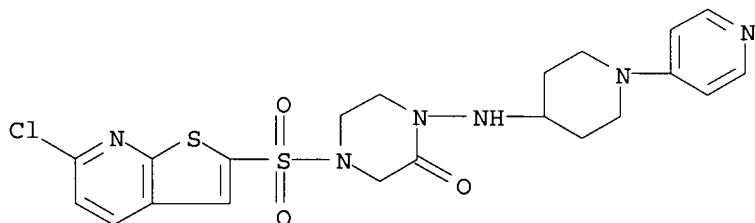
RN 315487-00-4 CAPLUS

CN Piperazinone, 4-[(5-chlorothieno[3,2-b]pyridin-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-04-8 CAPLUS

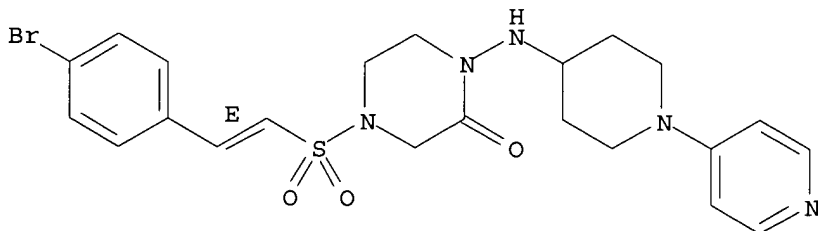
CN Piperazinone, 4-[(6-chlorothieno[2,3-b]pyridin-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-07-1 CAPLUS

CN Piperazinone, 4-[[1E)-2-(4-bromophenyl)ethenylsulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

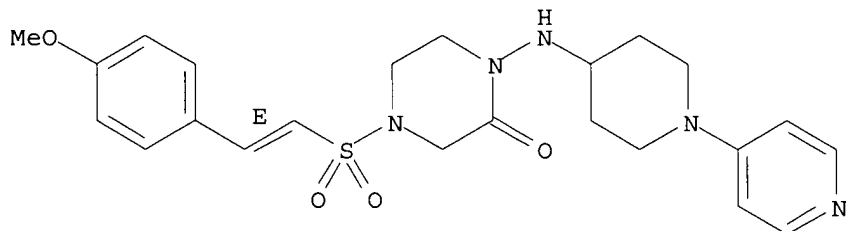


RN 315487-11-7 CAPLUS

10/018,962

CN Piperazinone, 4-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

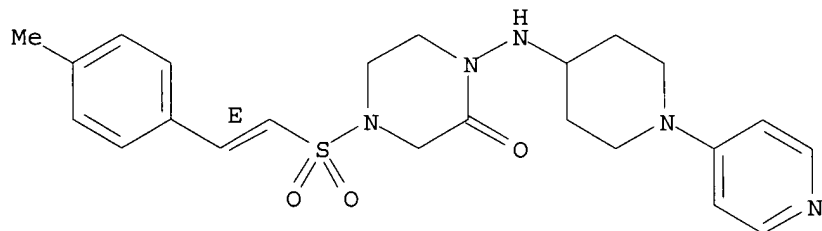
Double bond geometry as shown.



RN 315487-15-1 CAPLUS

CN Piperazinone, 4-[[[(1E)-2-(4-methylphenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

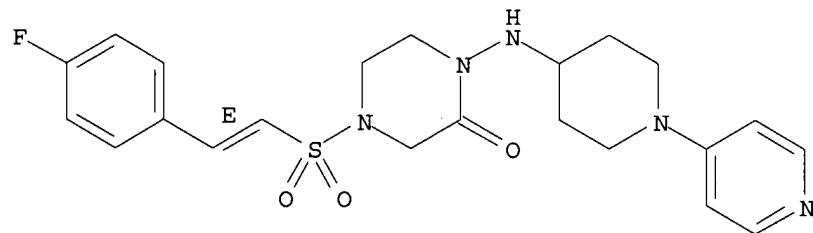
Double bond geometry as shown.



RN 315487-19-5 CAPLUS

CN Piperazinone, 4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

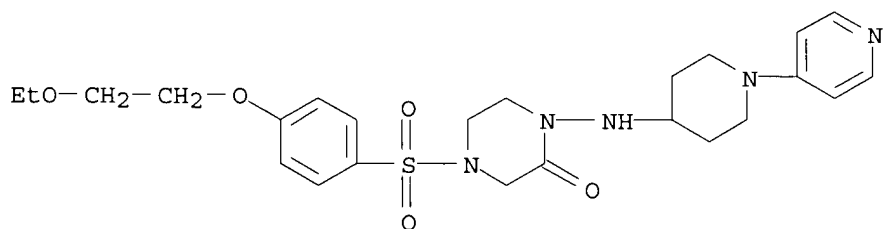
Double bond geometry as shown.



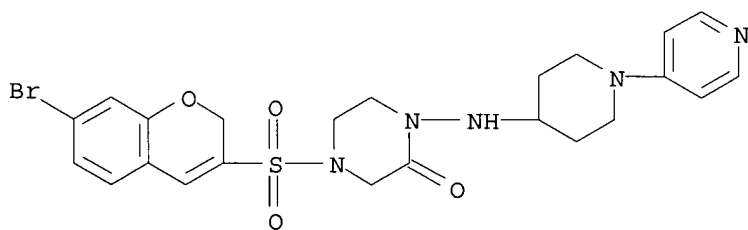
RN 315487-24-2 CAPLUS

CN Piperazinone, 4-[[[4-(2-ethoxyethoxy)phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962

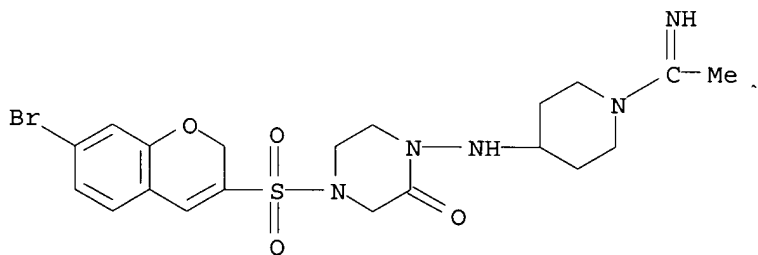


RN 315487-33-3 CAPLUS
CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

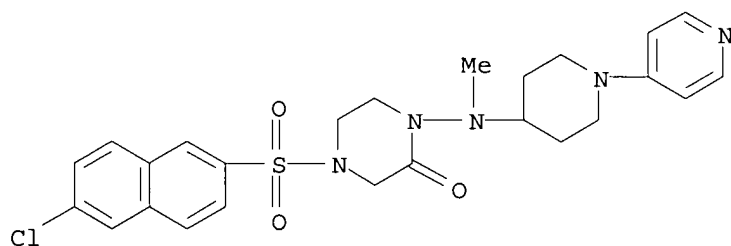
RN 315487-38-8 CAPLUS
CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

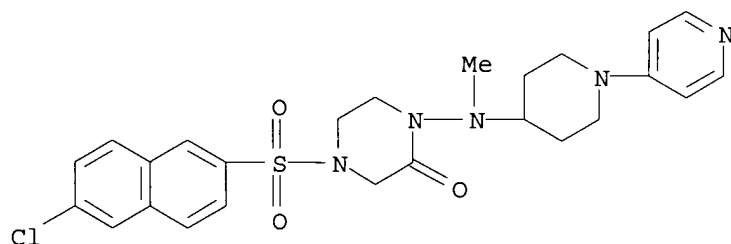
RN 315487-42-4 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

10/018,962



RN 315487-46-8 CAPLUS

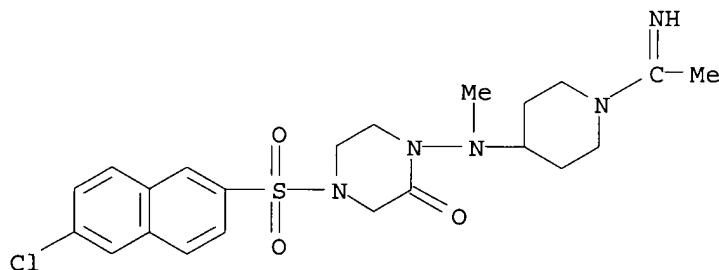
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

RN 315487-50-4 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)

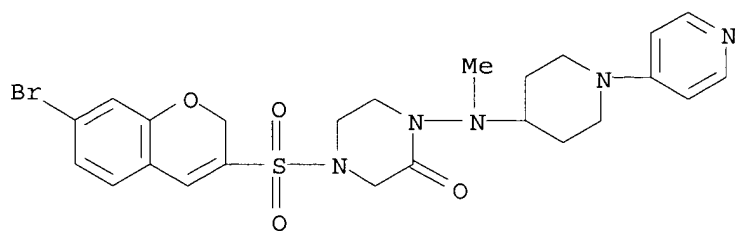


O HCl

RN 315487-59-3 CAPLUS

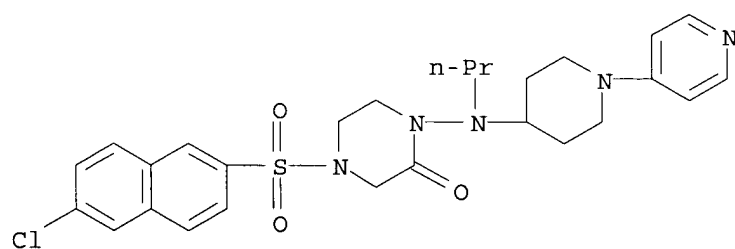
CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



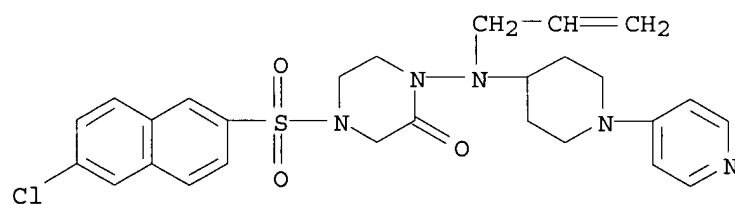
RN 315487-67-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[propyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



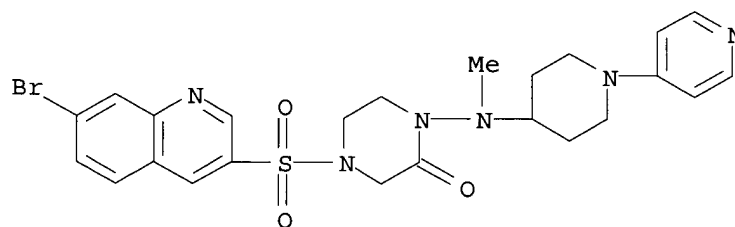
RN 315487-71-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[2-propenyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-79-7 CAPLUS

CN Piperazinone, 4-[(7-bromo-3-quinolinyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

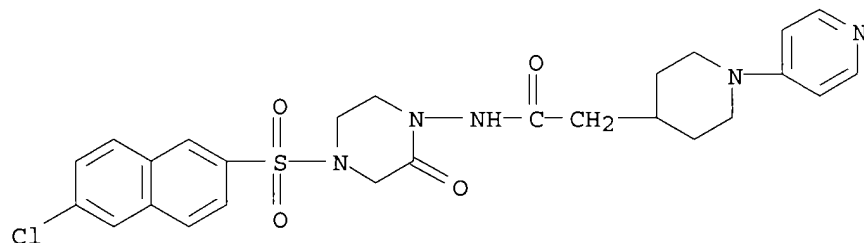


○ HCl

10/018,962

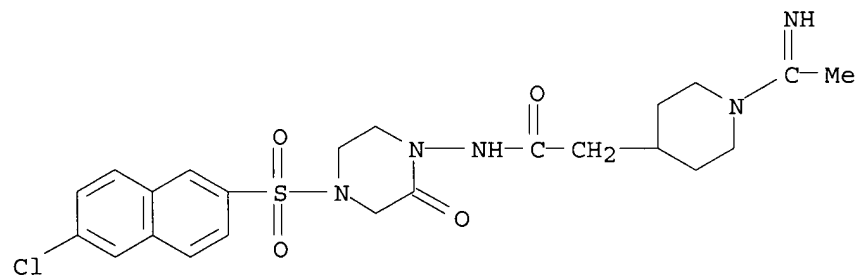
RN 315487-83-3 CAPLUS

CN 4-Piperidineacetamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 315487-88-8 CAPLUS

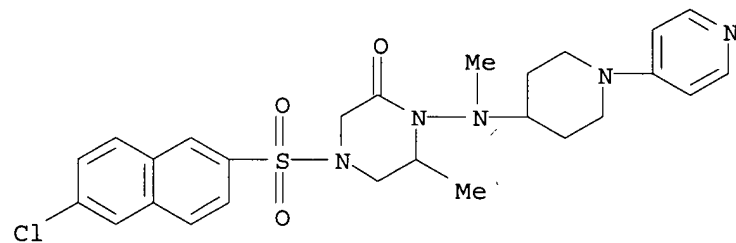
CN 4-Piperidineacetamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(1-iminoethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



O₂ HCl

RN 315488-00-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



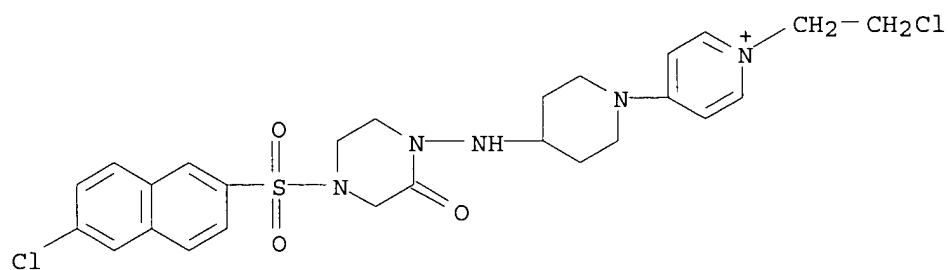
O HCl

RN 315488-12-1 CAPLUS

CN Pyridinium, 1-(2-chloroethyl)-4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-

10/018,962

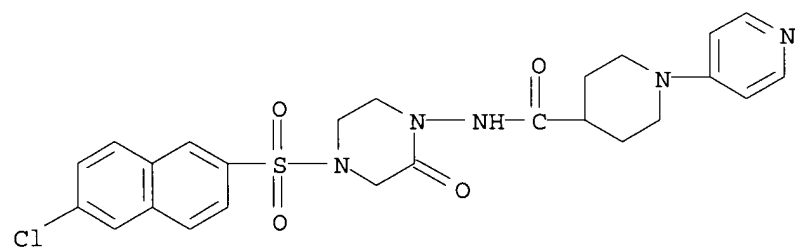
2-oxo-1-piperazinyl]amino]-1-piperidinyl]-, chloride (9CI) (CA INDEX NAME)



⊙ Cl⁻

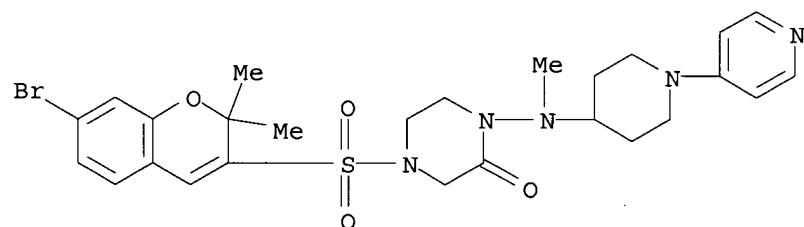
RN 315488-16-5 CAPLUS

CN 4-Piperidinecarboxamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 315488-23-4 CAPLUS

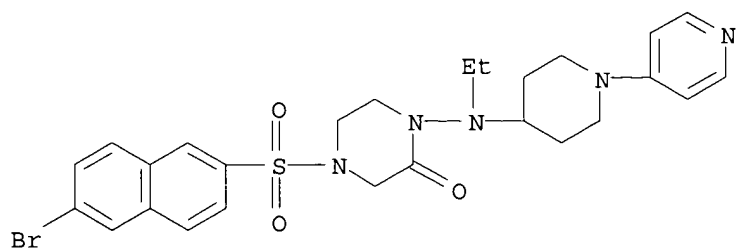
CN Piperazinone, 4-[(7-bromo-2,2-dimethyl-2H-1-benzopyran-3-yl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-27-8 CAPLUS

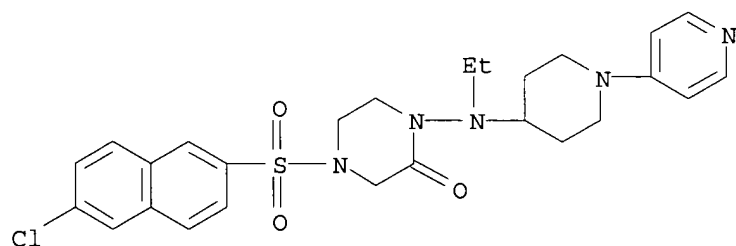
CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



RN 315488-31-4 CAPLUS

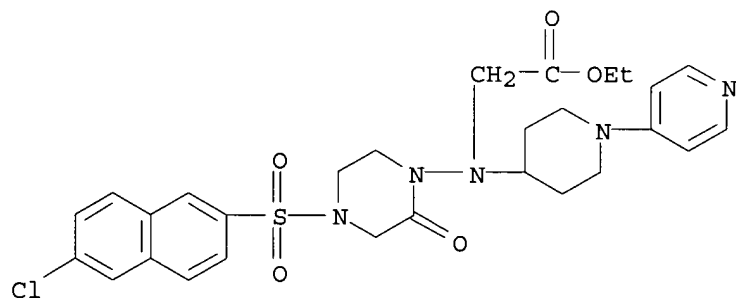
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊗ HCl

RN 315488-35-8 CAPLUS

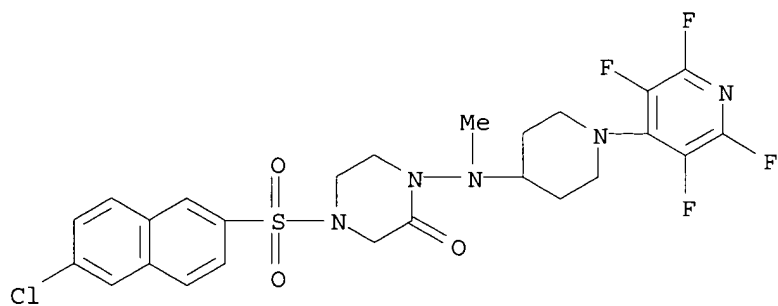
CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(4-pyridinyl)-4-piperidinyl]-, ethyl ester (9CI) (CA INDEX NAME)



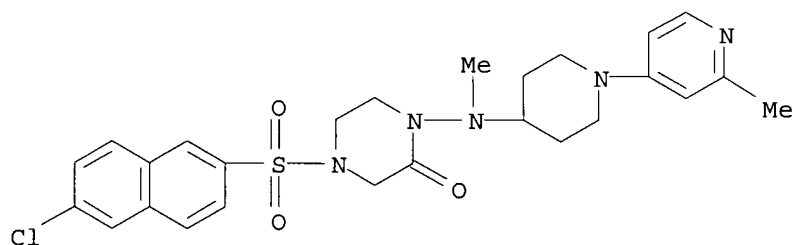
RN 315488-39-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2,3,5,6-tetrafluoro-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962

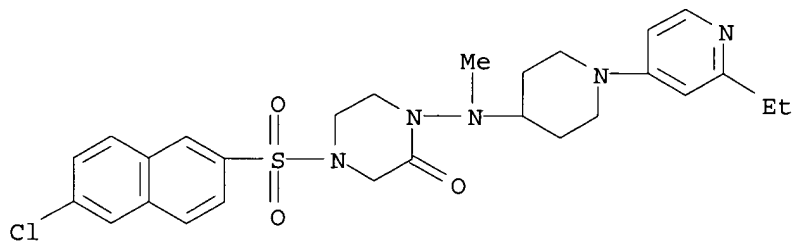


RN 315488-48-3 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



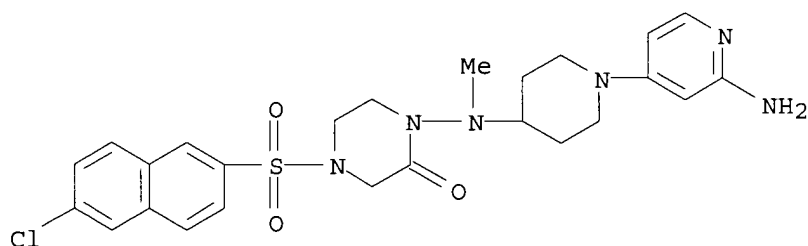
O HCl

RN 315488-53-0 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-ethyl-4-pyridinyl)-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



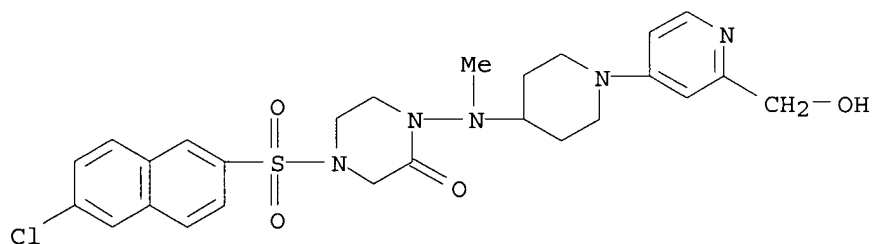
RN 315488-57-4 CAPLUS
CN Piperazinone, 1-[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methylamino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)

10/018,962



RN 315488-65-4 CAPLUS

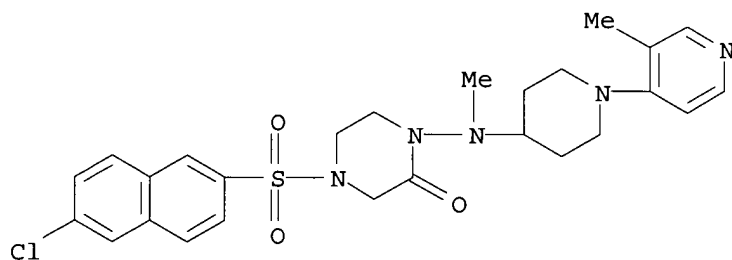
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315488-69-8 CAPLUS

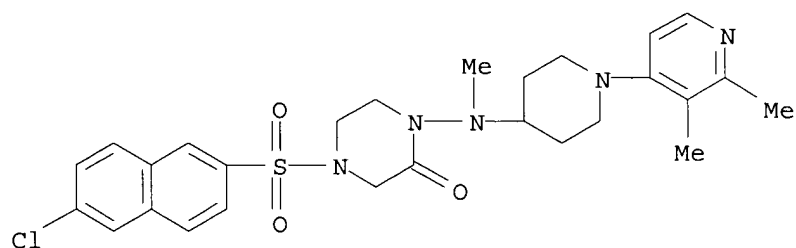
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(3-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-73-4 CAPLUS

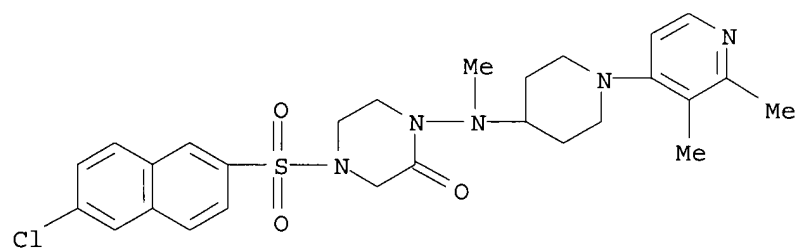
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2,3-dimethyl-4-pyridinyl)-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)

10/018,962



RN 315488-77-8 CAPLUS

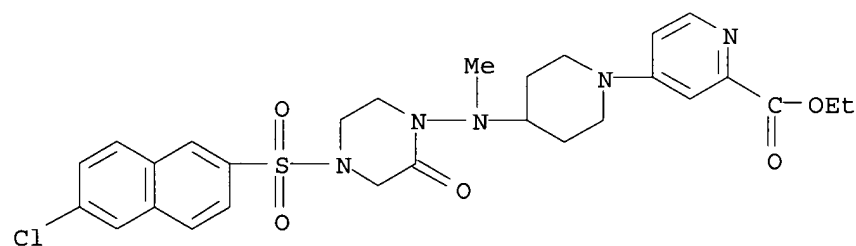
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2,3-dimethyl-4-pyridinyl)-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

RN 315488-81-4 CAPLUS

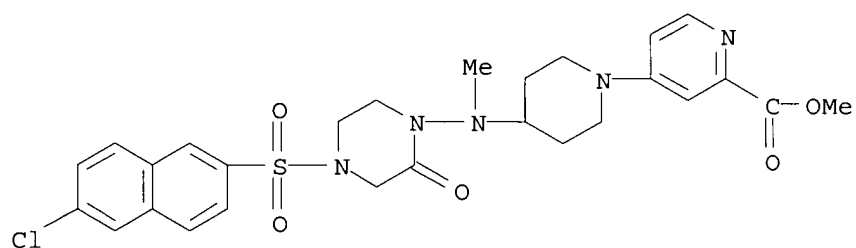
CN 2-Pyridinecarboxylic acid, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 315488-86-9 CAPLUS

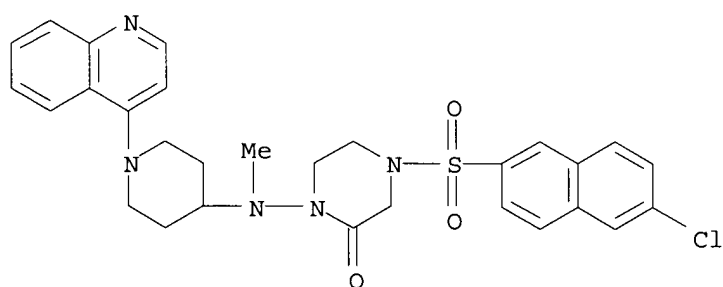
CN 2-Pyridinecarboxylic acid, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, methyl ester (9CI) (CA INDEX NAME)

10/018,962



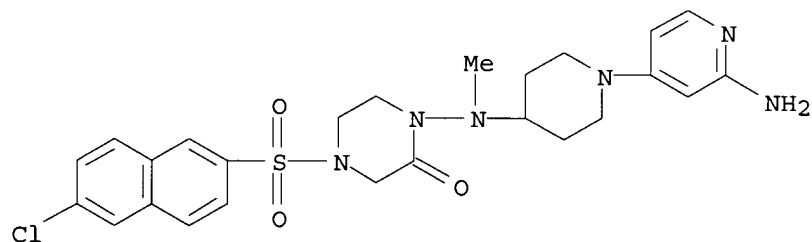
RN 315488-90-5 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-quinolinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-94-9 CAPLUS

CN Piperazinone, 1-[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methylamino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

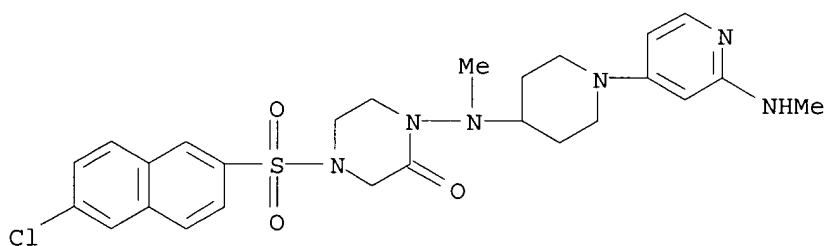


O HCl

RN 315488-98-3 CAPLUS

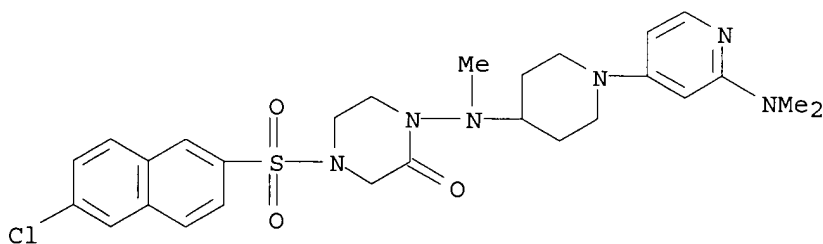
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-[2-(methylamino)-4-pyridinyl]-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

10/018,962



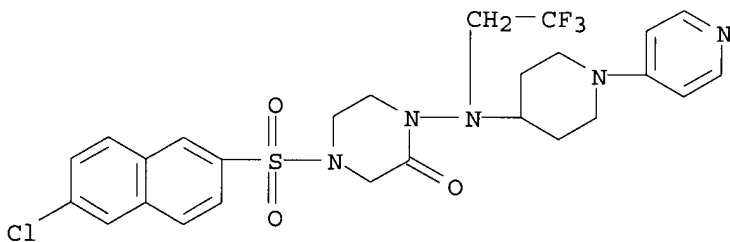
RN 315489-02-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(dimethylamino)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



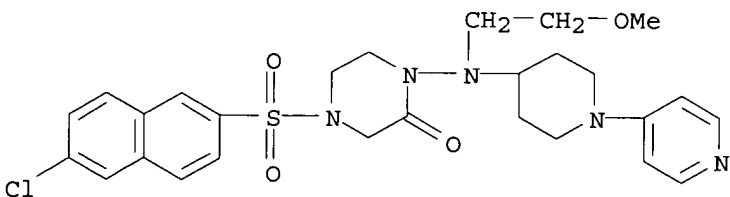
RN 315489-10-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl](2,2,2-trifluoroethyl)amino]- (9CI) (CA INDEX NAME)



RN 315489-14-6 CAPLUS

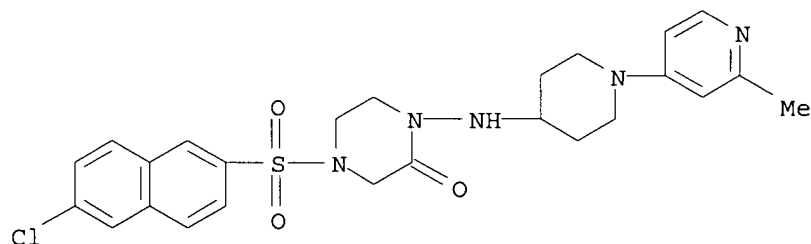
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(2-methoxyethyl)[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-60-2 CAPLUS

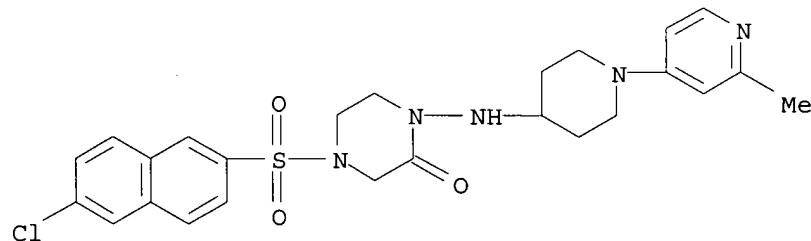
10/018,962

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-64-6 CAPLUS

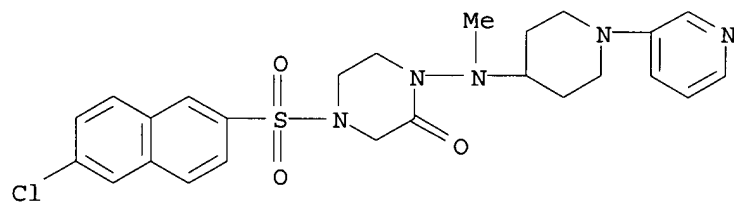
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315489-76-0 CAPLUS

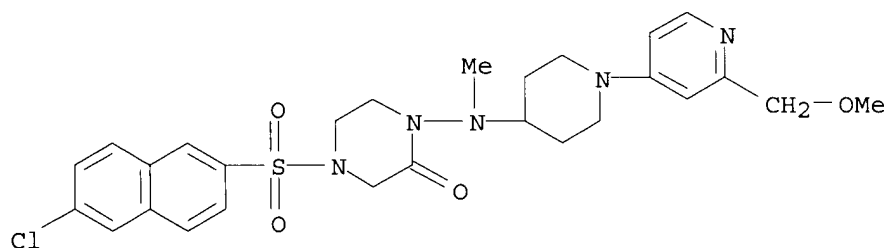
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(3-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-84-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(methoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)

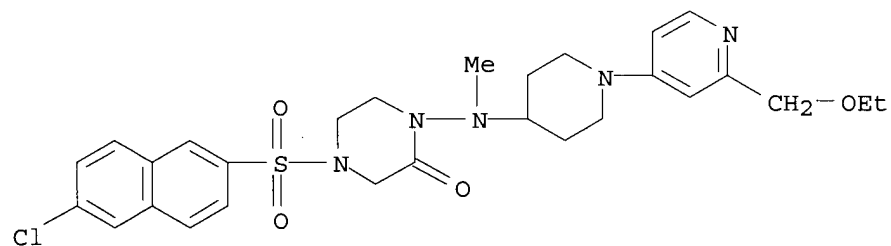
10/018,962



○ HCl

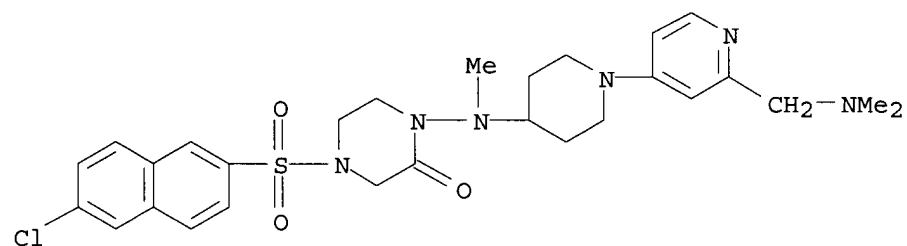
RN 315489-86-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(ethoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315489-91-9 CAPLUS

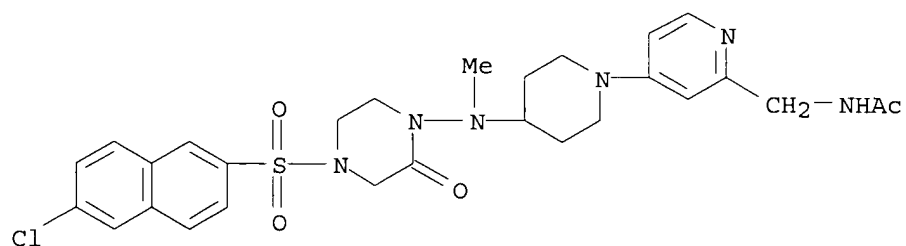
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-[(dimethylamino)methyl]-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315489-95-3 CAPLUS

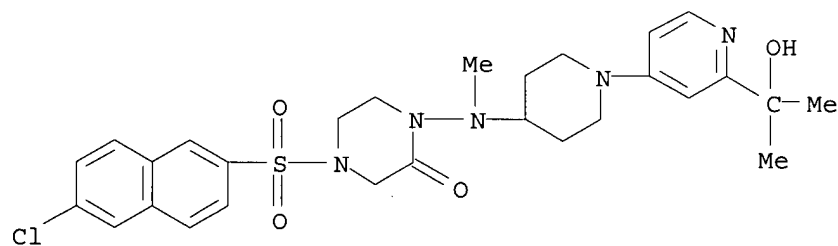
CN Acetamide, N-[[4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-2-pyridinyl]methyl]- (9CI) (CA INDEX NAME)

10/018,962



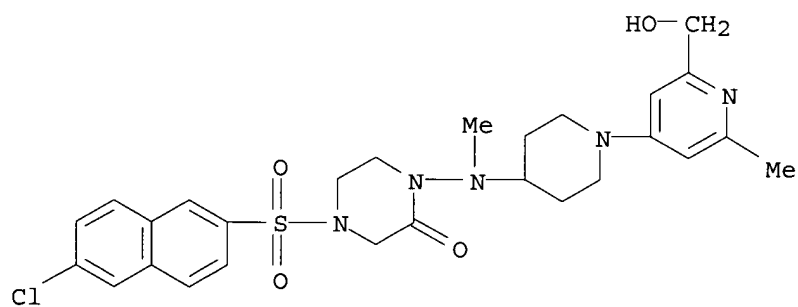
RN 315489-99-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(1-hydroxy-1-methylethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315490-04-1 CAPLUS

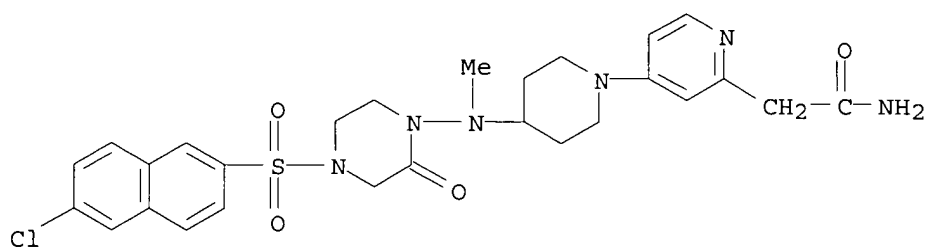
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-6-methyl-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315490-08-5 CAPLUS

CN 2-Pyridineacetamide, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

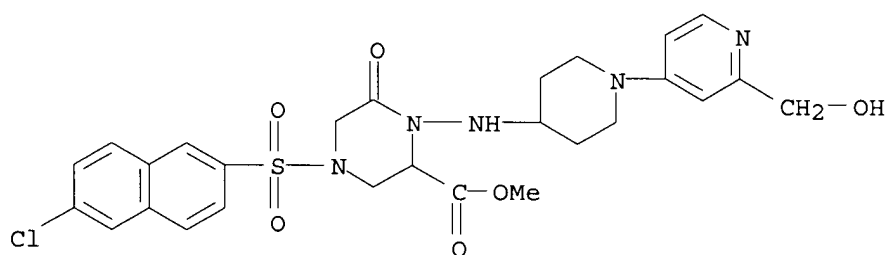
10/018,962



O HCl

RN 315490-12-1 CAPLUS

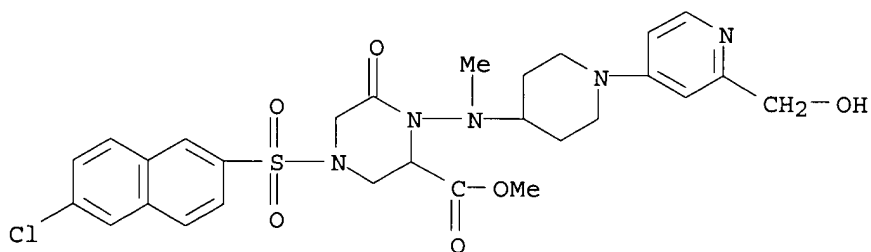
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)



O₂ HCl

RN 315490-15-4 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

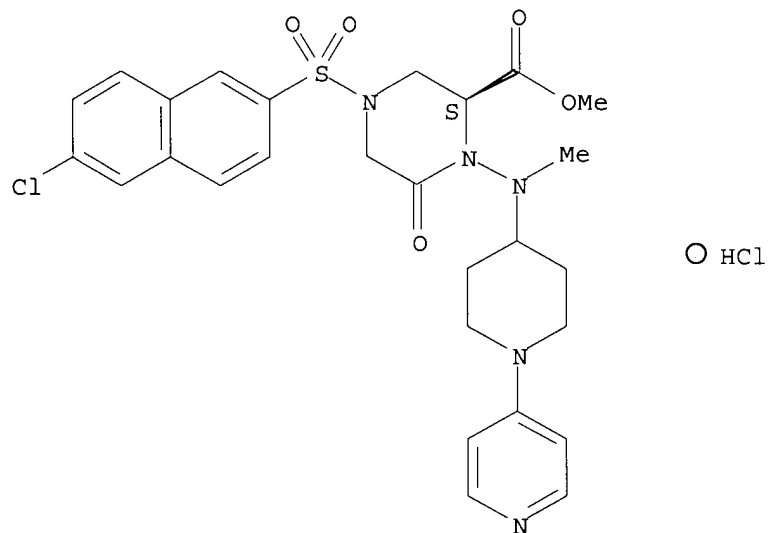
RN 315490-19-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-

10/018,962

[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester,
monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

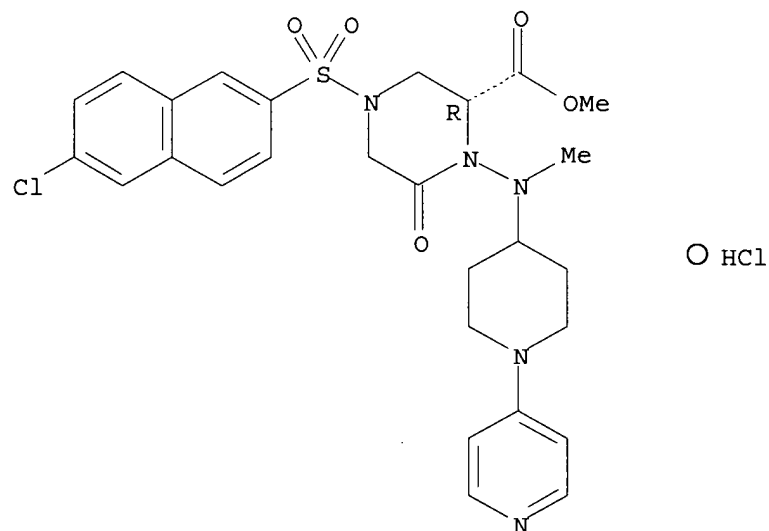
Absolute stereochemistry.



RN 315490-23-4 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

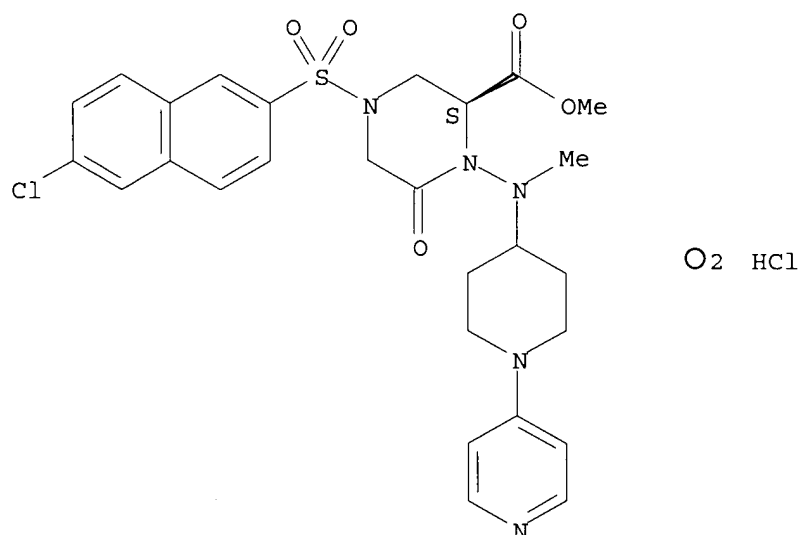


RN 315490-28-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

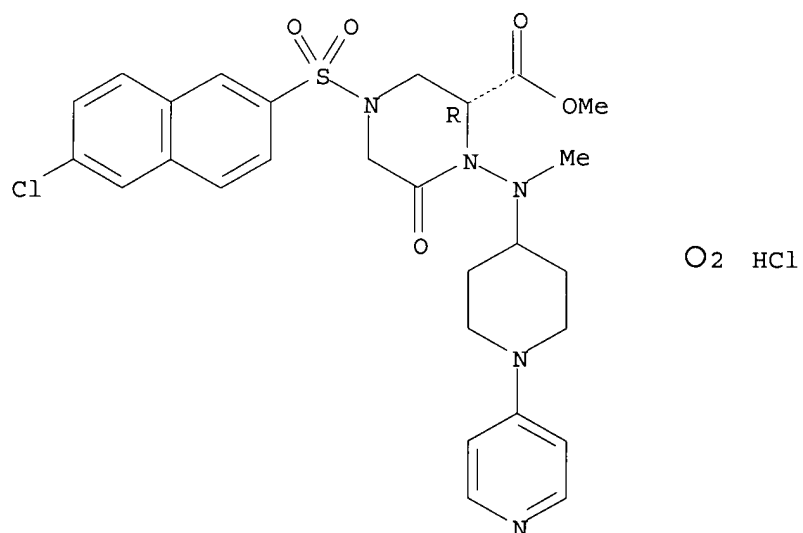
10/018,962



RN 315490-32-5 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride, (2R)- (9CI) (CA INDEX NAME)

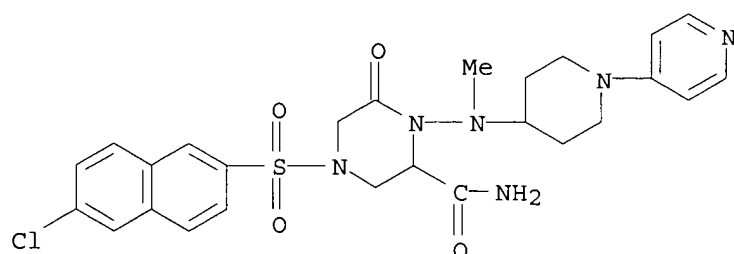
Absolute stereochemistry.



RN 315490-45-0 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

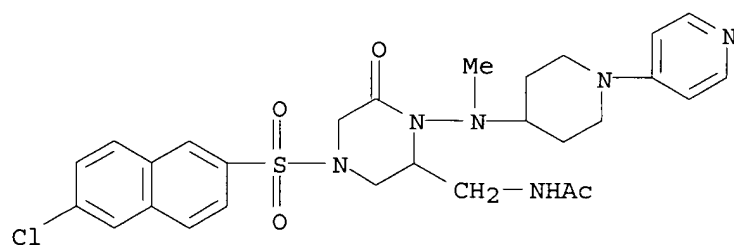
10/018,962



○ HCl

RN 315490-54-1 CAPLUS

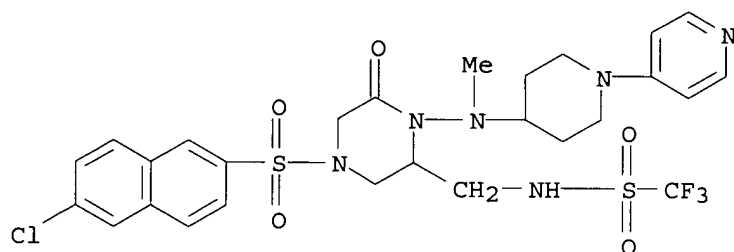
CN Acetamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315490-58-5 CAPLUS

CN Methanesulfonamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]-1,1,1-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)



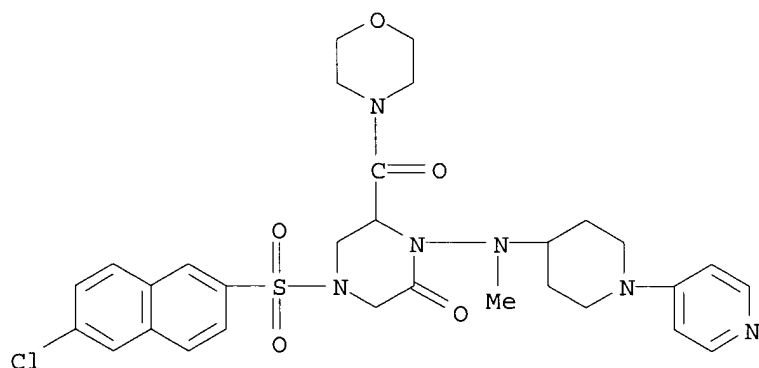
O HCl

RN 315490-63-2 CAPLUS

CN Morpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-

10/018,962

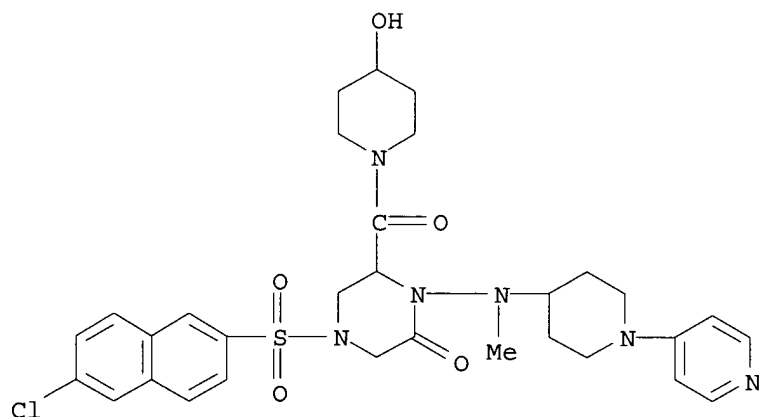
pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-,
monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315490-67-6 CAPLUS

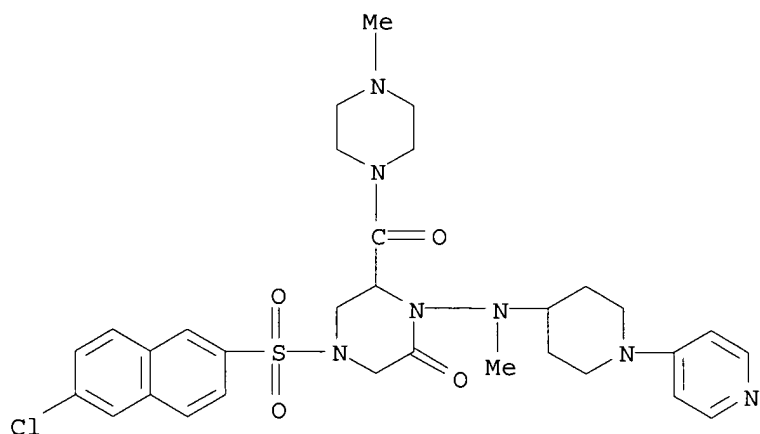
CN 4-Piperidinol, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-,
monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

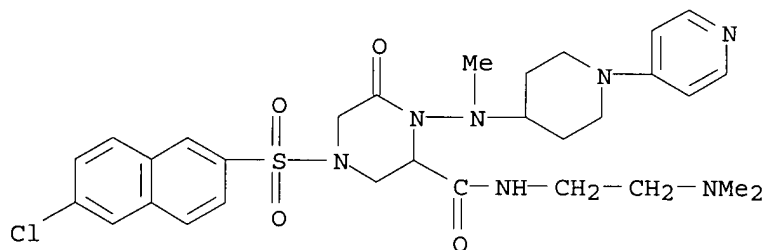
RN 315490-72-3 CAPLUS

CN Piperazine, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-4-methyl-,
dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

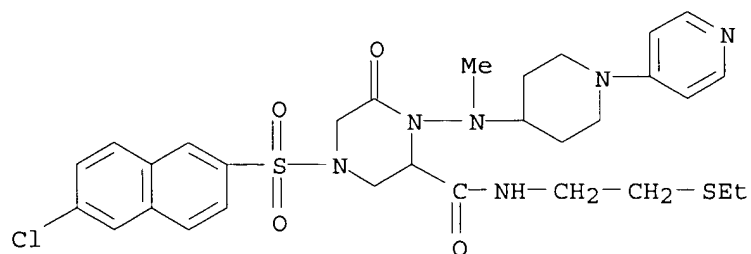
RN 315490-76-7 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-[2-(dimethylamino)ethyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315490-84-7 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-[2-(ethylthio)ethyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

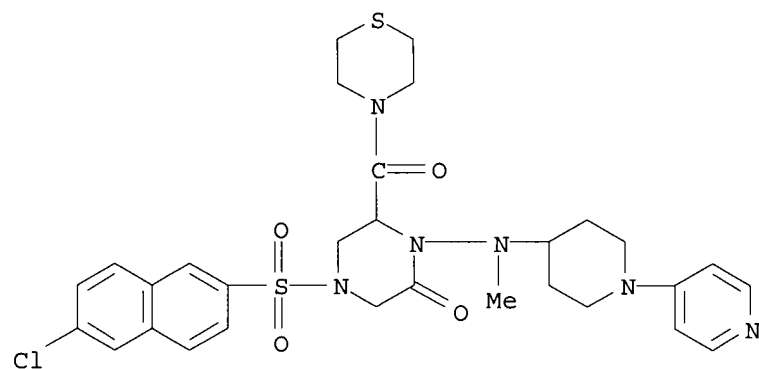
10/018,962



⊕ HCl

RN 315490-88-1 CAPLUS

CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

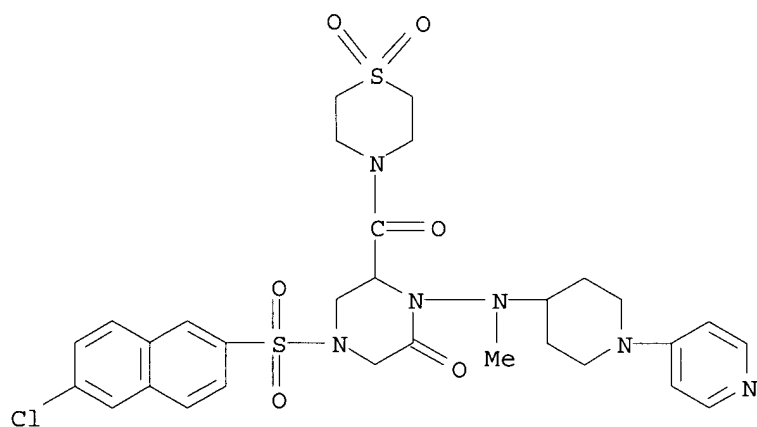


⊕ HCl

RN 315490-92-7 CAPLUS

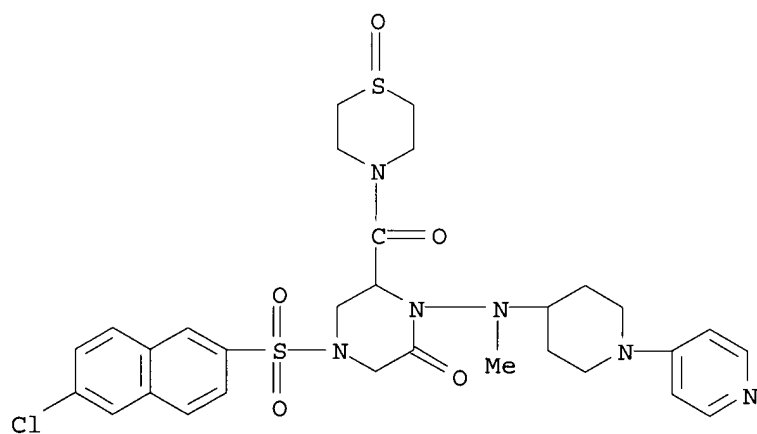
CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1,1-dioxide, monohydrochloride (9CI) (CA INDEX NAME)

10/018,962



⊕ HCl

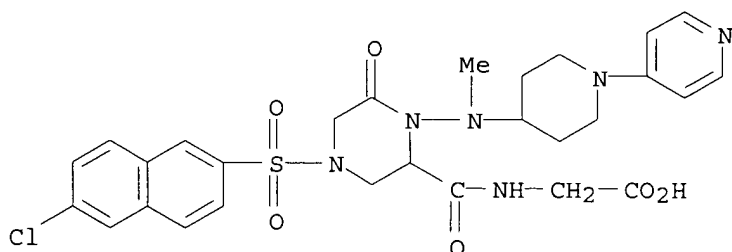
RN 315490-96-1 CAPLUS
CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1-oxide, monohydrochloride (9CI) (CA INDEX NAME)



⊕ HCl

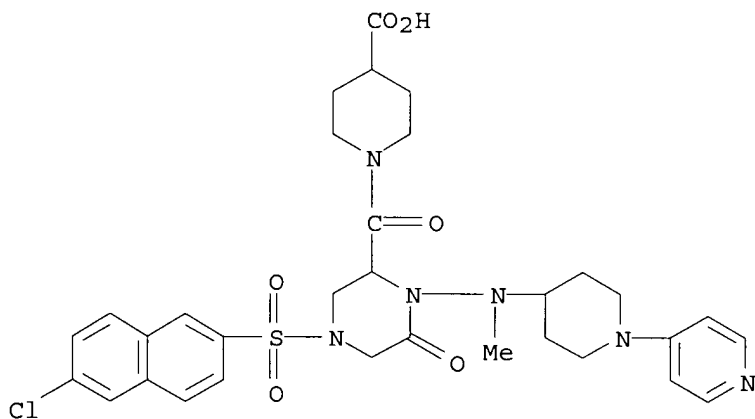
RN 315491-00-0 CAPLUS
CN Glycine, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)

10/018,962



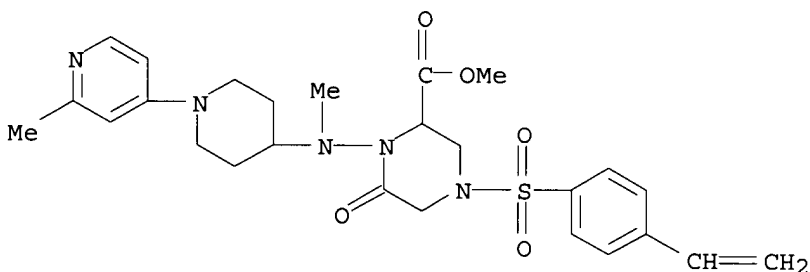
RN 315491-04-4 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-methyl-1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 315491-26-0 CAPLUS

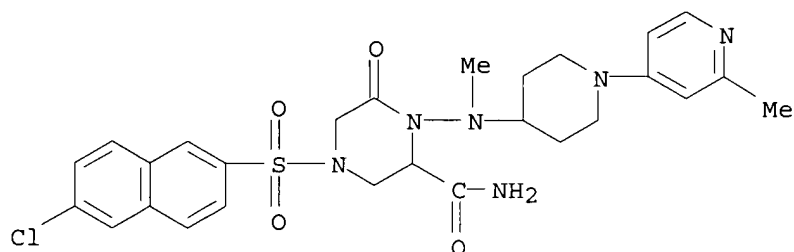
CN 2-Piperazinecarboxylic acid, 4-[(4-ethenylphenyl)sulfonyl]-1-[methyl-1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 315491-31-7 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl-1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

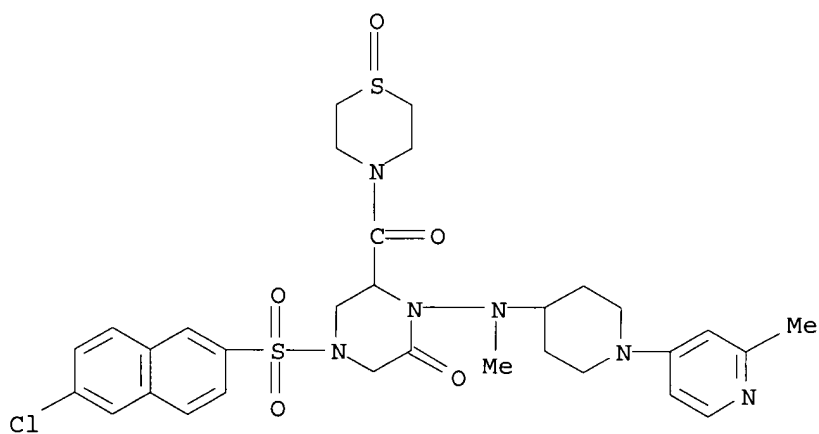
10/018,962



⊗ HCl

RN 315491-36-2 CAPLUS

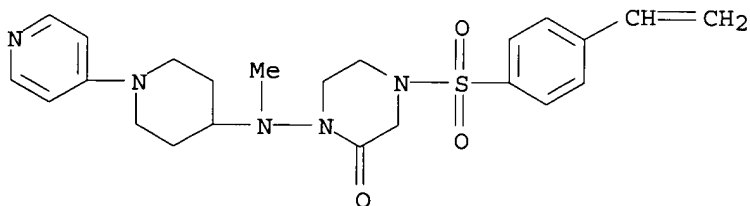
CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1-oxide, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315491-40-8 CAPLUS

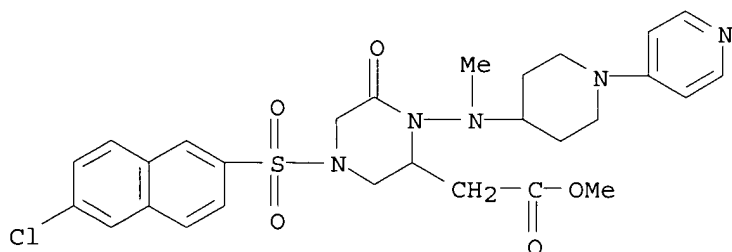
CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315491-49-7 CAPLUS

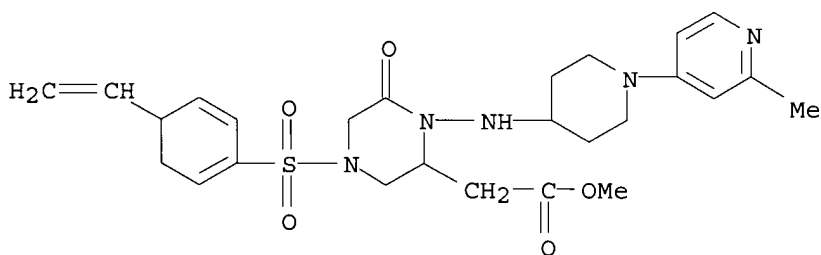
10/018,962

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



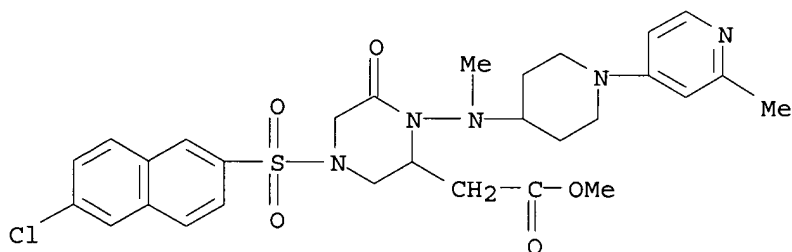
RN 315491-53-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(4-ethenyl-1,5-cyclohexadien-1-yl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



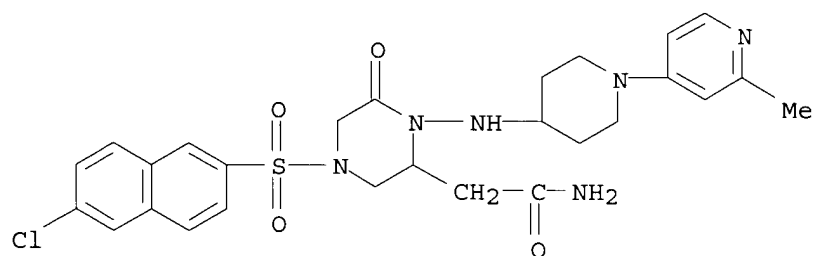
RN 315491-61-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



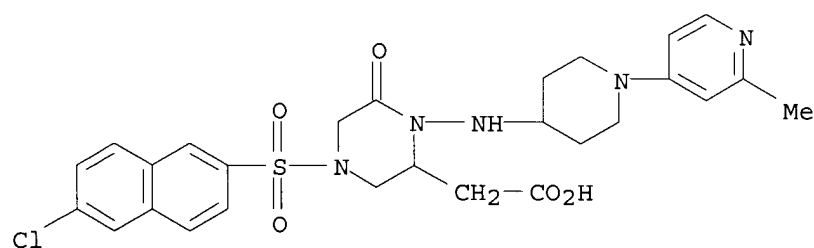
RN 315491-66-8 CAPLUS

CN 2-Piperazineacetamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



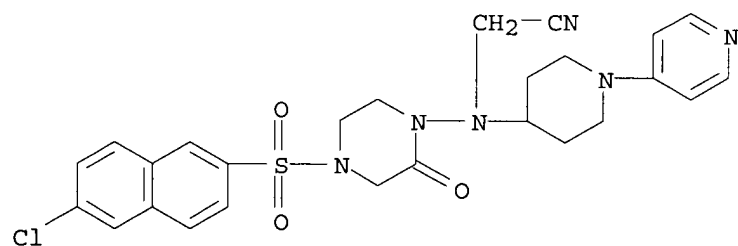
RN 315491-71-5 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



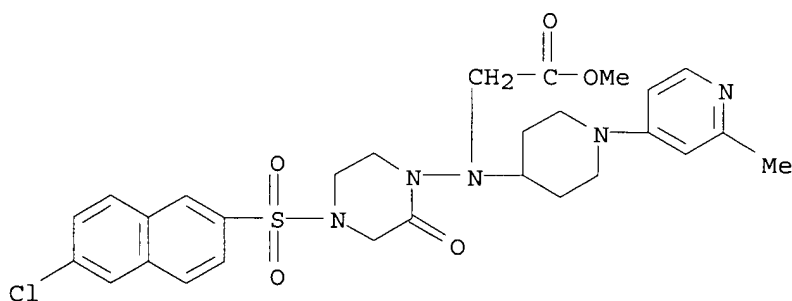
RN 315491-75-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(cyanomethyl)[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



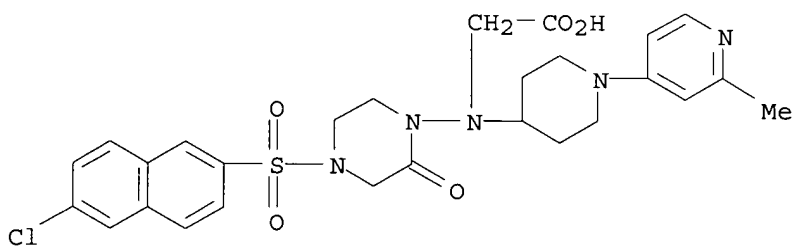
RN 315491-79-3 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]-, methyl ester (9CI) (CA INDEX NAME)



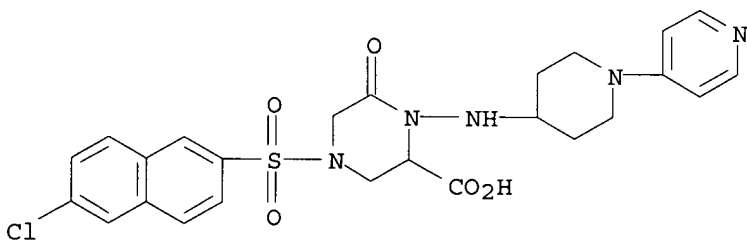
RN 315491-88-4 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



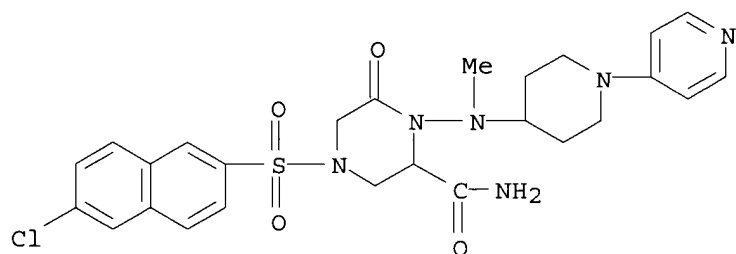
RN 315492-23-0 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



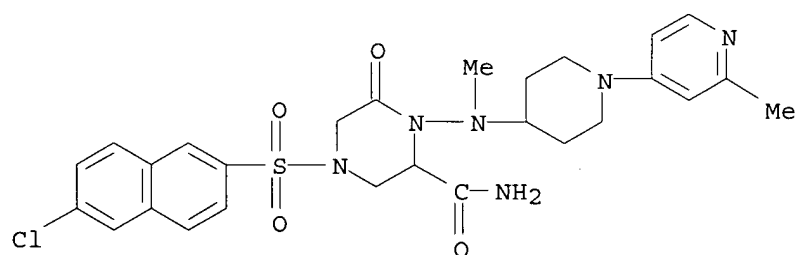
RN 315492-30-9 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



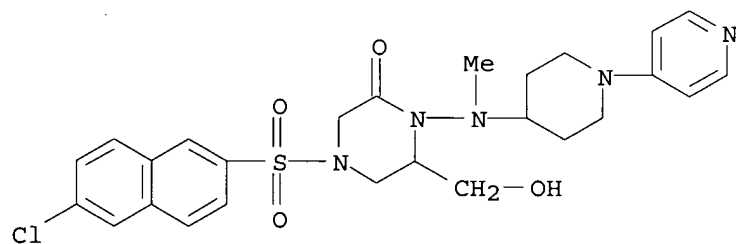
RN 315492-34-3 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



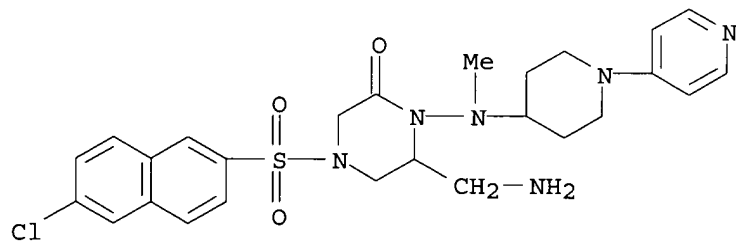
RN 315492-38-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315492-42-3 CAPLUS

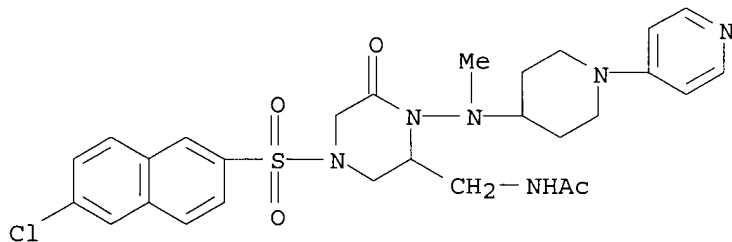
CN Piperazinone, 6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



10/018,962

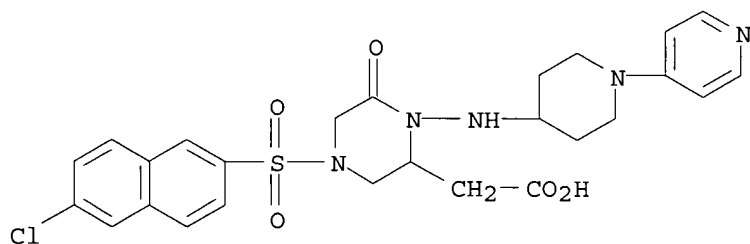
RN 315492-46-7 CAPLUS

CN Acetamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



RN 315492-50-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



IT 315494-83-8 315496-06-1 315496-34-5

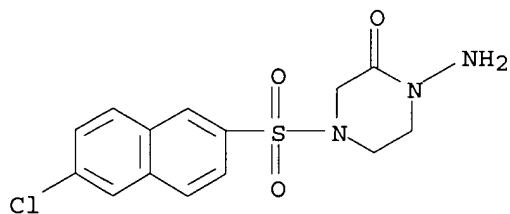
315496-69-6 315496-73-2 315497-15-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

RN 315494-83-8 CAPLUS

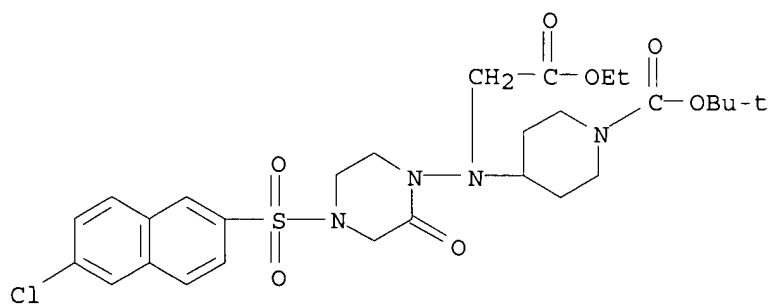
CN Piperazinone, 1-amino-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 315496-06-1 CAPLUS

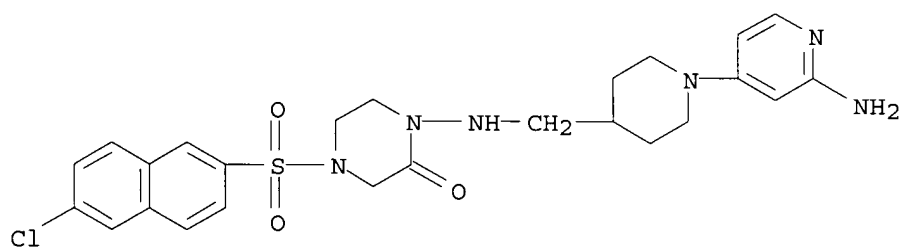
CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl](2-ethoxy-2-oxoethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/018,962



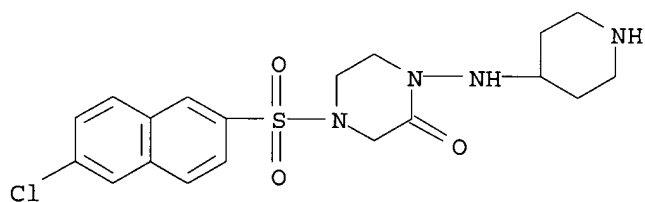
RN 315496-34-5 CAPLUS

CN Piperazinone, 1-[[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methyl]amino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 315496-69-6 CAPLUS

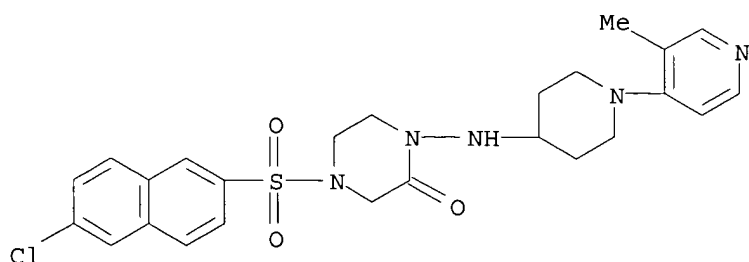
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-(4-piperidinylamino)-, dihydrochloride (9CI) (CA INDEX NAME)



O₂ HCl

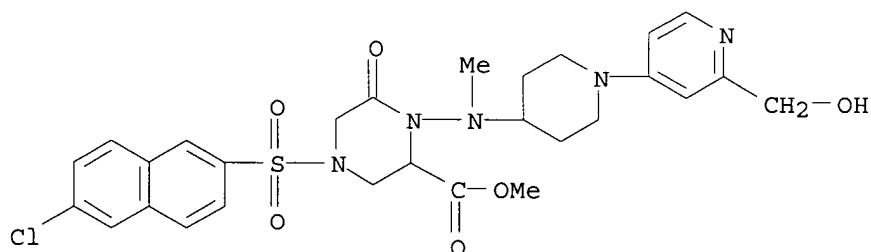
RN 315496-73-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315497-15-5 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



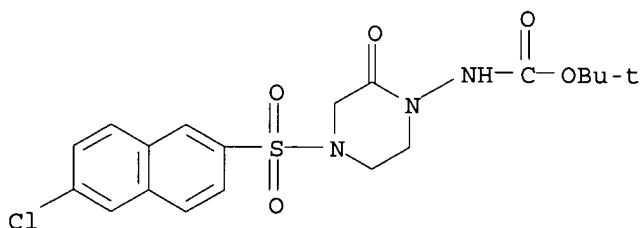
IT 315492-68-3P 315492-72-9P 315492-77-4P
 315492-89-8P 315493-13-1P 315493-18-6P
 315493-22-2P 315493-26-6P 315493-31-3P
 315494-26-9P 315494-30-5P 315494-34-9P
 315494-38-3P 315495-55-7P 315495-81-9P
 315497-35-9P 315497-43-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

RN 315492-68-3 CAPLUS

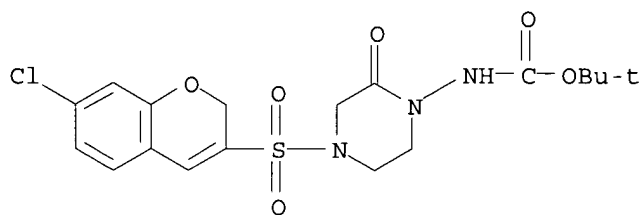
CN Carbamic acid, [4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315492-72-9 CAPLUS

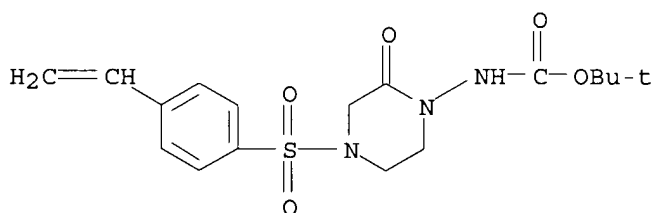
CN Carbamic acid, [4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/018,962



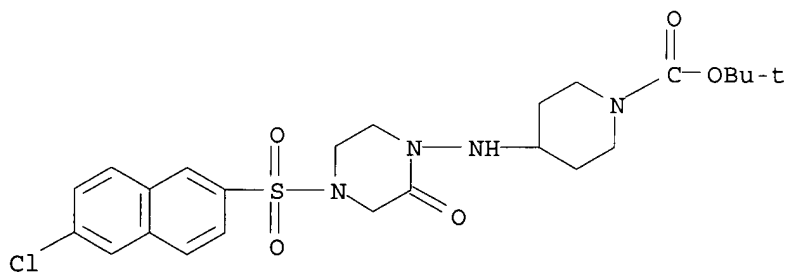
RN 315492-77-4 CAPLUS

CN Carbamic acid, [4-[(4-ethenylphenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



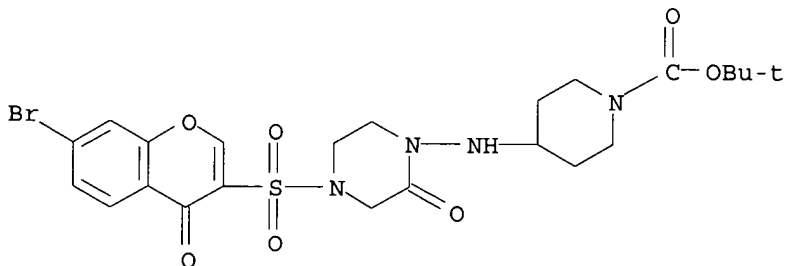
RN 315492-89-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315493-13-1 CAPLUS

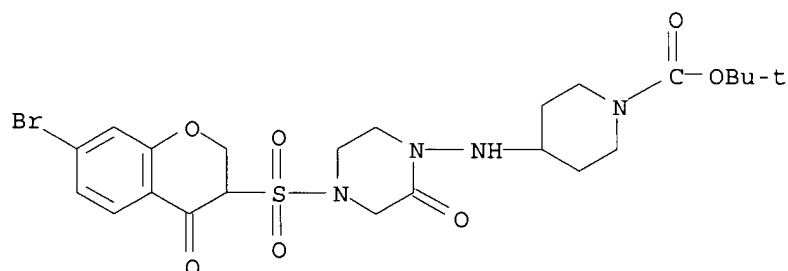
CN 1-Piperidinecarboxylic acid, 4-[[4-[(7-bromo-4-oxo-4H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



10/018,962

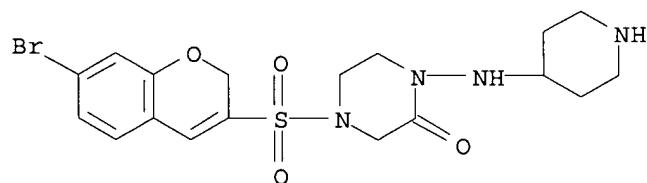
RN 315493-18-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(7-bromo-3,4-dihydro-4-oxo-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



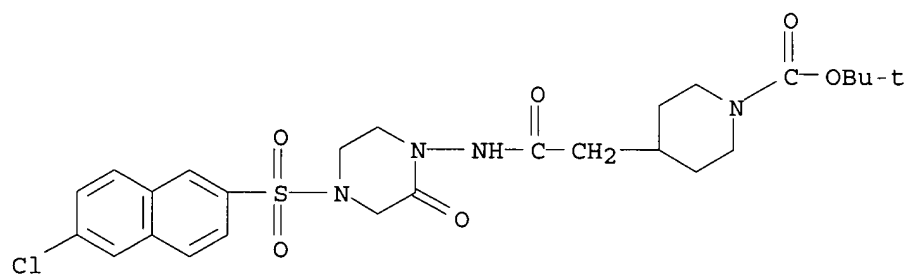
RN 315493-22-2 CAPLUS

CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-(4-piperidinylamino)- (9CI) (CA INDEX NAME)



RN 315493-26-6 CAPLUS

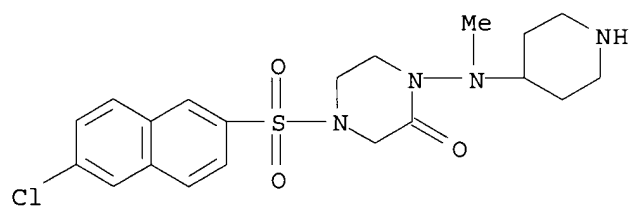
CN 1-Piperidinecarboxylic acid, 4-[2-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315493-31-3 CAPLUS

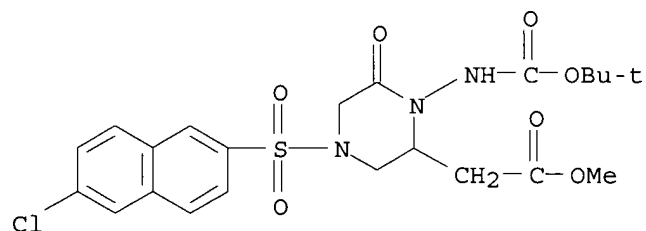
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-(methyl-4-piperidinylamino)- (9CI) (CA INDEX NAME)

10/018,962



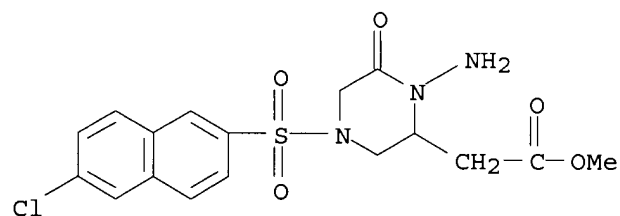
RN 315494-26-9 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



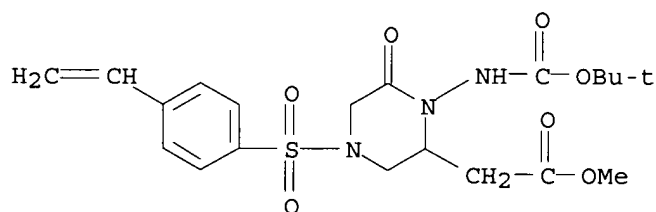
RN 315494-30-5 CAPLUS

CN 2-Piperazineacetic acid, 1-amino-4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 315494-34-9 CAPLUS

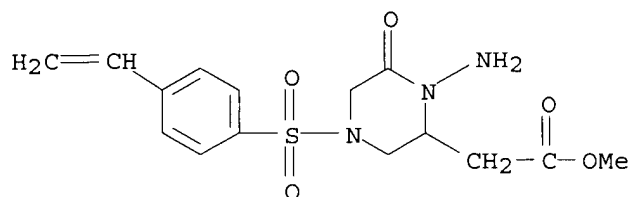
CN 2-Piperazineacetic acid, 1-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-[(4-ethenylphenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 315494-38-3 CAPLUS

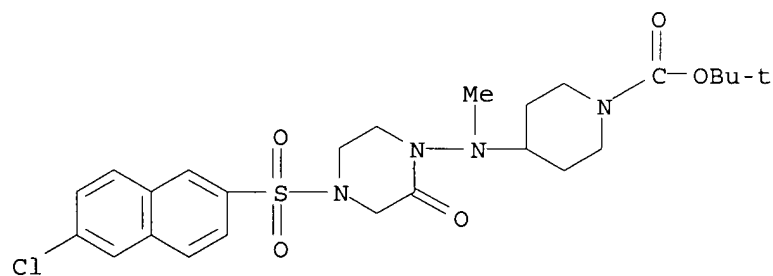
CN 2-Piperazineacetic acid, 1-amino-4-[(4-ethenylphenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

10/018,962



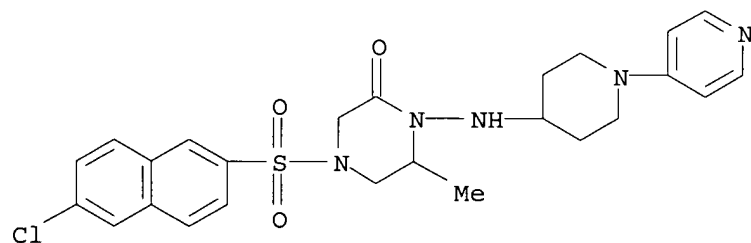
RN 315495-55-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



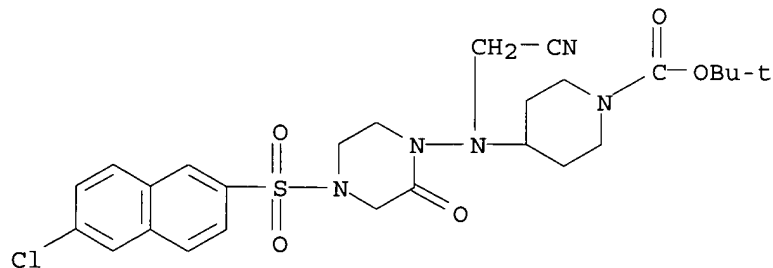
RN 315495-81-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315497-35-9 CAPLUS

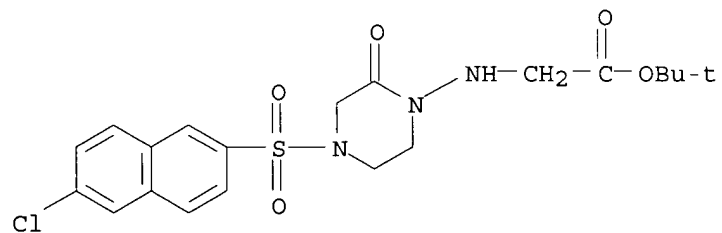
CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl](cyanomethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



10/018,962

RN 315497-43-9 CAPLUS

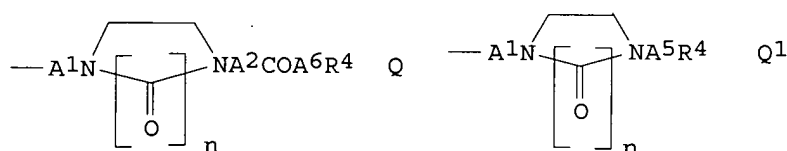
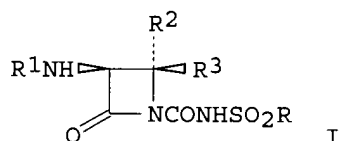
CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



10/018,962

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
 AN 1988:422759 CAPLUS
 DN 109:22759
 TI 2-Oxo-1-[[(substituted sulfonyl)amino]carbonyl]azetidines, procedure for
 their preparation, and their use as antibacterials
 IN Breuer, Hermann; Drossard, Jakob Matthias; Ermann, Peter Hans; Straub,
 Henner; Treuner, Uwe Dietmar
 PA Von Heyden G.m.b.H., Fed. Rep. Ger.
 SO Eur. Pat. Appl., 86 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 251143	A1	19880107	EP 1987-108993	19870623
	EP 251143	B1	19920826		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 4801705	A	19890131	US 1986-877599	19860623
	ZA 8703710	A	19871230	ZA 1987-3710	19870522
	AU 8773489	A1	19871224	AU 1987-73489	19870528
	AU 603102	B2	19901108		
	IL 82832	A1	19910415	IL 1987-82832	19870609
	CA 1309097	A1	19921020	CA 1987-539713	19870615
	DK 8703171	A	19871224	DK 1987-3171	19870622
	HU 44537	A2	19880328	HU 1987-2823	19870622
	HU 198712	B	19891128		
	FI 8702784	A	19871224	FI 1987-2784	19870623
	FI 91865	B	19940513		
	FI 91865	C	19940825		
	JP 63005075	A2	19880111	JP 1987-156393	19870623
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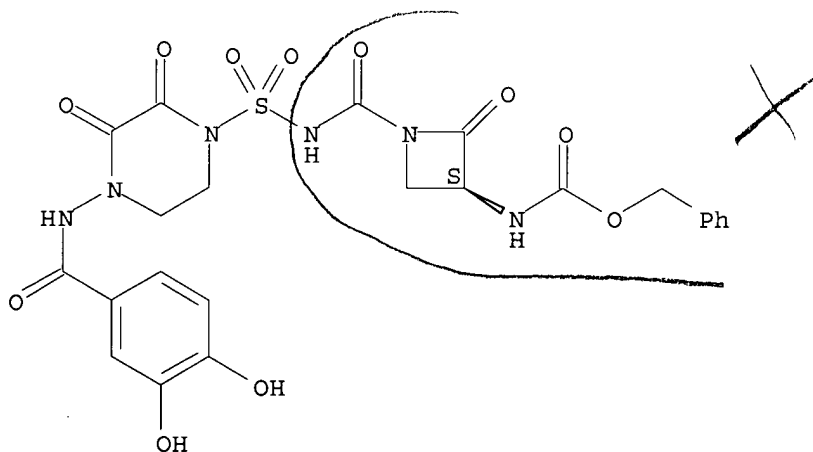


AB Azetidinones I [R = Q, Q1, NHA3R4, NHA4COA6R4; R1 = acyl; R2, R3 = H, aliph., cycloalkyl, (un)substituted Ph, heterocyclyl; one of R2 and R3 = H, the other = azido, (di)(tri)halomethyl, alkoxycarbonyl, etc.; R4 = (un)substituted o-(HO)2C6H3; A1 = bond, NHCO, NH, NHNHCO; A2 = bond,

CH₂CH₂NH, CONHNH; A₃ = (CH₂)_p, NHCONH, NHCONHCH₂, NHCH₂, OCH₂, CH₂CONH, CH₂CONHCH₂, N:CH, CH(CO₂H); A₄ = NH, (CH₂)_p, (CH₂)_yNH, NHCONHNH, CONHNH, N(CH₂X₈); A₅ = (CH₂)_p, NHCH₂, N:CH, CONH(CH₂)_q; A₆ = CH:CH, (CH₂)_p, NH(CH₂)_p, CH(NH₂); p = 0-4; y = 2-4; q = 0, 1; n = 1, 2; X₈ = H, CO₂H, CONH₂] and their salts, useful as antibacterials in humans and mammalian animals (no data), were prepd. 1-Amino-2-imidazolidinone was acylated with 3,4-bis(acetyloxy)benzoyl chloride to give the corresponding di-O-acetylated amine which was successively silylated with N-methyl-N-trimethylsilyltrifluoroacetamide and treated with phenylmethyl (S)-[1-[[[(chlorosulfonyl)amino]carbonyl]-2-oxo-3-azetidinyll]carbamate to give phenylmethyl (S)-[1-[[[[3-[[3,4-bis(acetyloxy)benzoyl]amino]-2-oxo-1-imidazolidinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyll]carbamate. Successive treatment with NH₄OAc, 2N HCl, and F₃CCO₂H-PhSMe gave (S)-3-amino-N-[[3-[(3,4-dihydroxybenzoyl)amino]-2-oxo-1-imidazolidinyl]sulfonyl]-2-oxo-1-azetidinyllcarboxamide trifluoroacetate salt. The latter compd. was reacted with (Z)-2-amino-α-(methoxyimino)-4-thiazoleacetic acid N-hydroxybenzotriazole ester, then NaHCO₃ to give (S)-2-amino-N-[[1-[[[[3-[(3,4-dihydroxybenzoyl)amine]-2-oxo-1-imidazolidinyl]sulfonyl]amino]carbonyl]-2-oxo-2-azetidinyll]-α-(methoxyimino)-4-thiazoleacetamide NET₃ salt (1:1).

IT **114874-95-2P 114874-97-4P 114874-98-5P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and reaction of, in synthesis of azetidinone antibacterials)
 RN 114874-95-2 CAPLUS
 CN Carbamic acid, [1-[[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyll]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

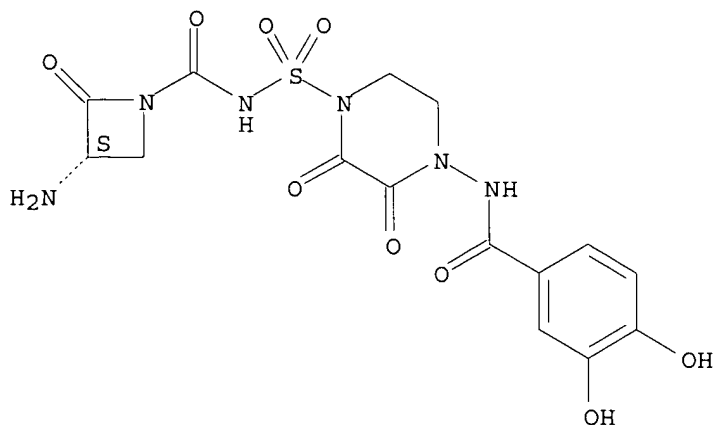
Absolute stereochemistry.



RN 114874-97-4 CAPLUS
 CN 1-Azetidinecarboxamide, 3-amino-N-[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]-2-oxo-, (S)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)
 CM 1
 CRN 114874-96-3
 CMF C15 H16 N6 O9 S

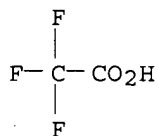
Absolute stereochemistry.

10/018,962



CM 2

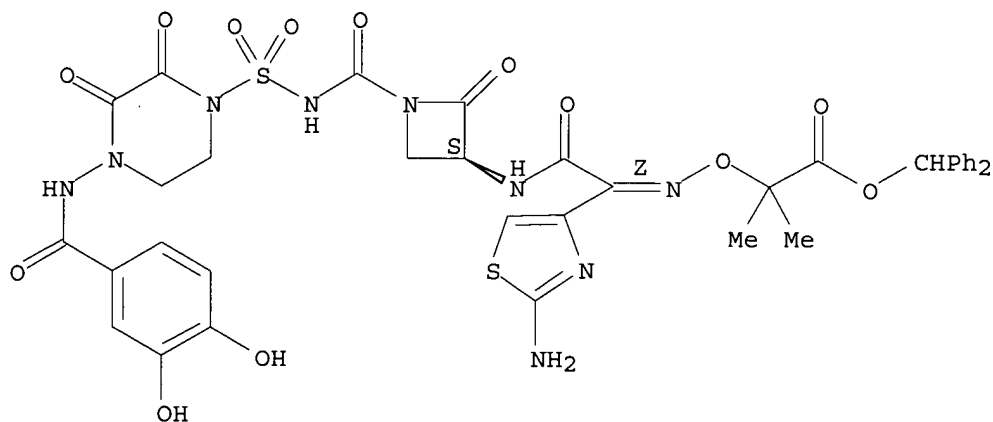
CRN 76-05-1
CMF C2 H F3 O2



RN 114874-98-5 CAPLUS

CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidiny]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 114830-68-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

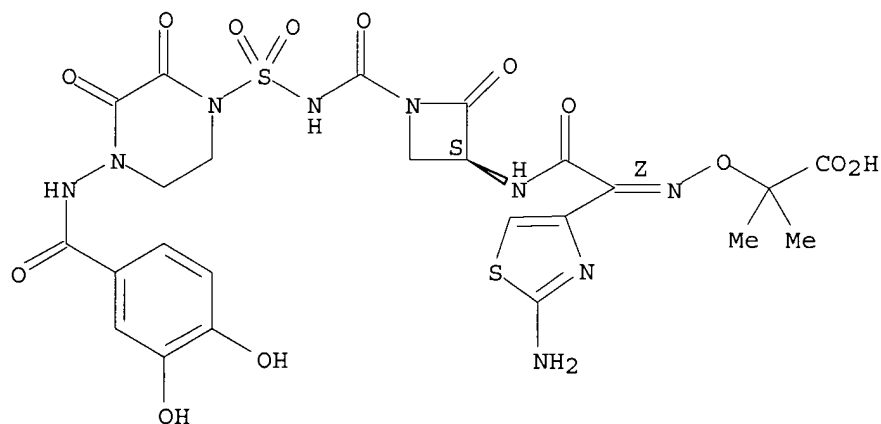
10/018,962

study); PREP (Preparation)
(prepn. of, as antibacterial)

RN 114830-68-1 CAPLUS

CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



⊕2 Na

10/018,962

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
AN 1988:55763 CAPLUS
DN 108:55763
TI Preparation of N-substituted azetidinone derivatives as antibiotics
PA Squibb, E. R., and Sons, Inc. , USA
SO Belg., 173 pp.
CODEN: BEXXAL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 905502	A1	19870116	BE 1986-217217	19860926
	US 4743685	A	19880510	US 1986-907441	19860915
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	FR 2587700	B1	19880916		
	SE 8604089	A	19870327	SE 1986-4089	19860926
	DK 8604603	A	19870327	DK 1986-4603	19860926
	FI 8603890	A	19870327	FI 1986-3890	19860926
	NO 8603837	A	19870327	NO 1986-3837	19860926
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	CN 86106980	A	19870408	CN 1986-106980	19860926
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	ZA 8607373	A	19870527	ZA 1986-7373	19860926
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	HU 198044	B	19890728		
	ES 2001995	A6	19880701	ES 1986-2204	19860926
	CH 670828	A	19890714	CH 1986-3860	19860926
	PL 151546	B1	19900928	PL 1986-261575	19860926
	IL 80160	A1	19910415	IL 1986-80160	19860926
	CA 1308719	A1	19921013	CA 1986-519170	19860926
PRAI	US 1985-780479		19850926		
OS	CASREACT 108:55763				
GI					

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [R = Q1, Q2, etc., wherein A1 = single bond, NHCO, NH, NHNHCO, A2 = single bond, NH, (CH2)2NH, CONHNH, A3 = single bond, CH:CH, (CH2)n (n = 1-4); R1 = acyl; R2, R3 = H, alkyl, alkenyl, alkynyl, cycloalkyl, (un)substituted Ph, heterocyclyl, or one of R2 and R3 is H, the other is N3, halomethyl, dihalomethyl, alkoxycarbonyl, 2-phenylethenyl, etc.], useful as antibiotics (no data), were prepd. Azetidinone deriv. (S)-II (R1 = PhCH2OCO, R2 = R3 = H) was treated with ClSO2NCO to give (chlorosulfonyl)aminocarbonylazetidinone deriv. (S)-I (R1 = PhCH2OCO, R2 = R3 = H, R = Cl) (III). To a soln. of III in EtOAc was added a mixt. of 1,4-dihydro-5-hydroxy-4-oxo-N-(2-oxo-1-imidazolidinyl)-2-pyridinecarboxamide and CF3CON(SiMe3)Me in EtOAc. Following addn. of CH2Cl2, the mixt. was stirred overnight at room temp. to give the corresponding imidazolidinylsulfonylaminocarbonylazetidinone deriv., which was deprotected with PhMe/CF3CO2H and subsequently acylated with

10/018,962

(Z)-2-amino-.alpha.-[[2-(diphenylmethoxy)-1,1-dimethyl-2-oxoethoxy]imino]-4-thiazoleacetic acid to give IV (R4 = Ph2CH). IV was then deprotected with PhOMe/CF3CO2H to give, after workup, azetidinone deriv. IV.2Na (R4 = H).

IT 112334-48-2P 112334-49-3P 112334-50-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

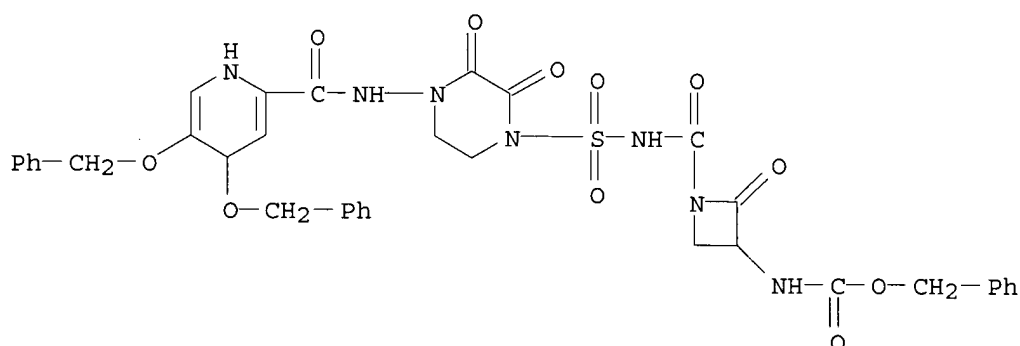
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(1) 100% (100% of reagent,
(2) (prepn. and reaction of, in synthesis of antibiotic)

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RN 112334-48-2 CAPLUS

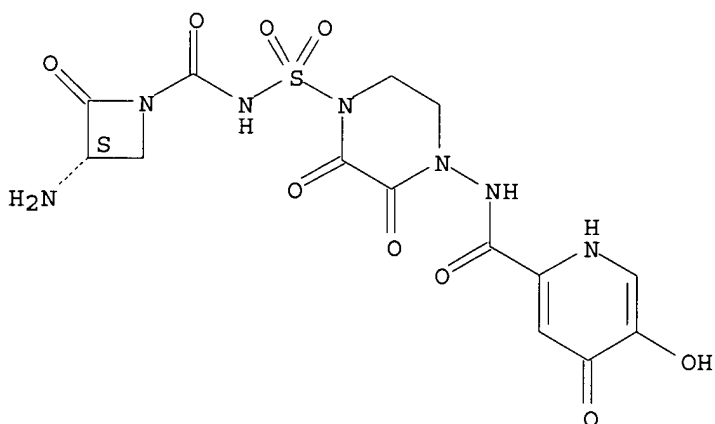
CN Carbamic acid, [1-[[[4-[[[1,4-dihydro-4,5-bis(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyll-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)



RN 112334-49-3 CAPLUS

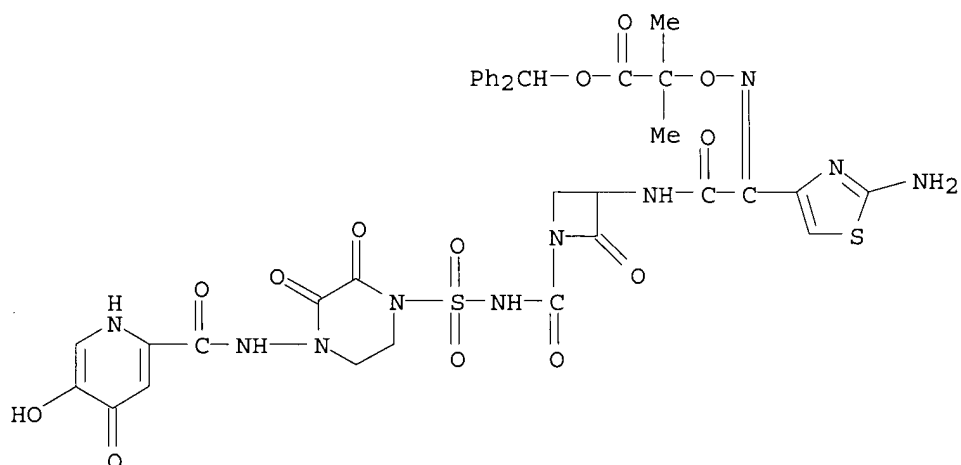
CN 2-Pyridinecarboxamide, N-[4-[[[(3-amino-2-oxo-1-azetidynyl)carbonyl]amino]sulfonyl]-2,3-dioxo-1-piperazinyl]-1,4-dihydro-5-hydroxy-4-oxo-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 112334-50-6 CAPLUS

CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[[1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl]carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidiny]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI)
(CA INDEX NAME)

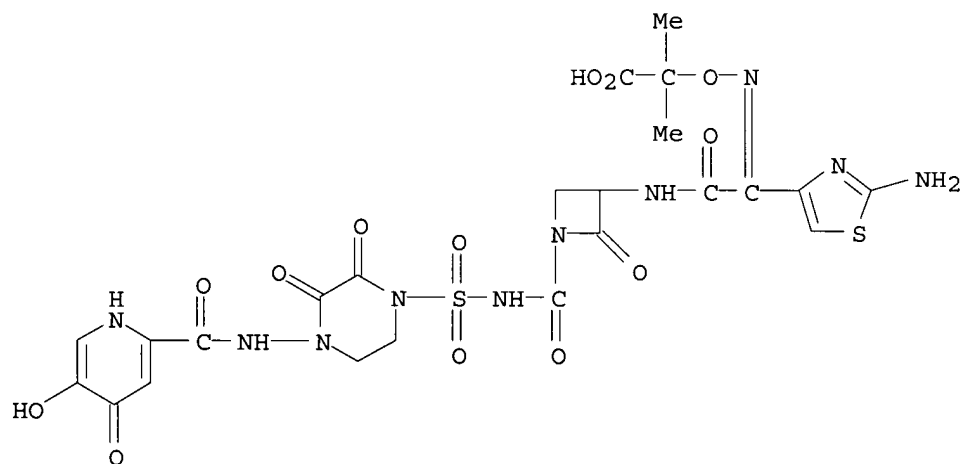


IT 112354-76-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as antibiotic)

RN 112354-76-4 CAPLUS

CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

O₂ Na

IT 112334-49-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in synthesis of antibiotic)

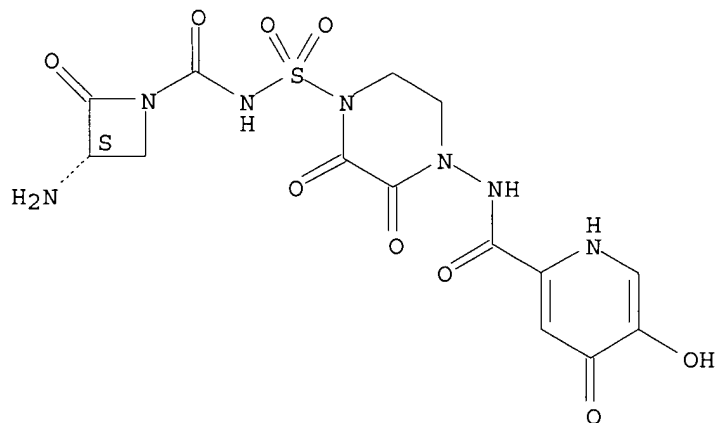
RN 112334-49-3 CAPLUS

CN 2-Pyridinecarboxamide, N-[4-[[[3-amino-2-oxo-1-

10/018,962

azetidiny]carbonyl]amino]sulfonyl]-2,3-dioxo-1-piperazinyl]-1,4-dihydro-5-hydroxy-4-oxo-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



10/018,962

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.98	186.64
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

FILE 'CAOLD' ENTERED AT 13:15:45 ON 22 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	187.04
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CA SUBSCRIBER PRICE	0.00	-2.60

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:15:54 ON 22 APR 2003

10/018,962

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PROJECTED ITERATIONS: 56 TO 504

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10/018,962

ALL
STRUCTURES
IN APPS WO.

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2000:911242 CAPLUS
DN 134:71607
TI Preparation and effect of acylhydrazine derivatives as activated blood
coagulation factor X inhibitors
IN Itoh, Fumio; Hosono, Hiroshi; Kawamura, Masaki; Kubo, Keiji
PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 202 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000078747	A1	20001228	WO 2000-JP4034	20000621 <--
	W:	AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1188755	A1	20020320	EP 2000-940768	20000621
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2001278882	A2	20011010	JP 2000-192697	20000622
PRAI	JP 1999-176057	A	19990622		
	JP 1999-266280	A	19990920		
	JP 2000-17956	A	20000124		
	WO 2000-JP4034	W	20000621		

OS MARPAT 134:71607

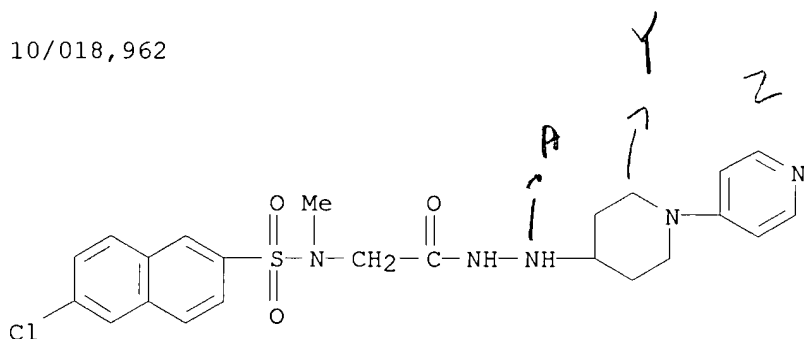
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315486-01-2P 315486-05-6P 315486-09-0P
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315487-63-9P 315487-91-3P 315487-95-7P
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315491-45-3P 315491-57-7P 315491-83-9P
315495-89-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

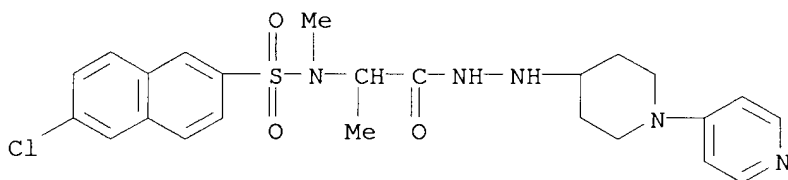
RN 315485-88-2 CAPLUS

CN Glycine, N-[(6-chloro-2-naphthalenyl)sulfonyl]-N-methyl-,
2-[1-(4-pyridinyl)-4-piperidinyl]hydrazide (9CI) (CA INDEX NAME)



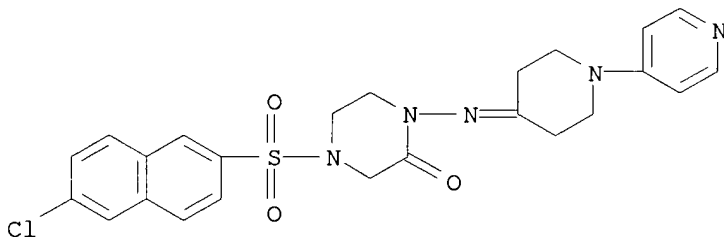
RN 315485-92-8 CAPLUS

CN Alanine, N-[(6-chloro-2-naphthalenyl)sulfonyl]-N-methyl-, 2-[1-(4-pyridinyl)-4-piperidinyl]hydrazide (9CI) (CA INDEX NAME)



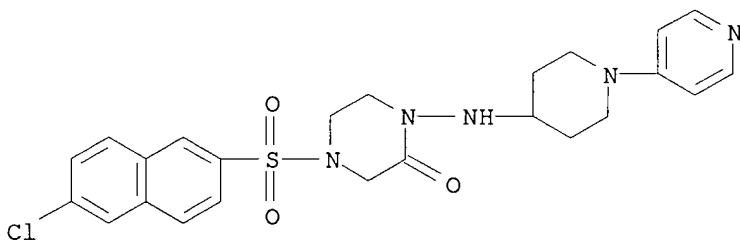
RN 315485-97-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



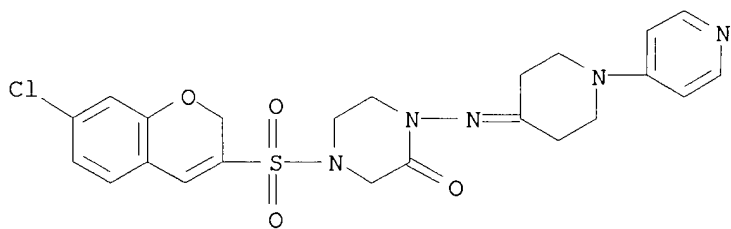
RN 315486-01-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



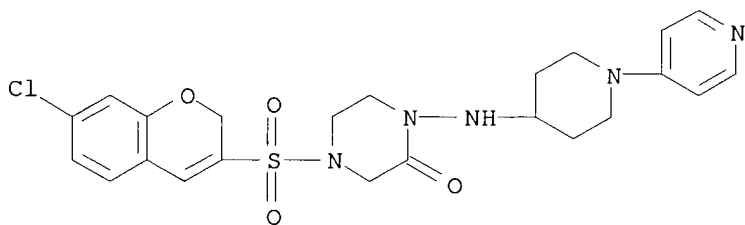
RN 315486-05-6 CAPLUS

CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



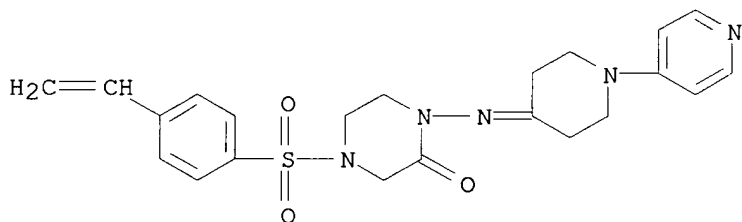
RN 315486-09-0 CAPLUS

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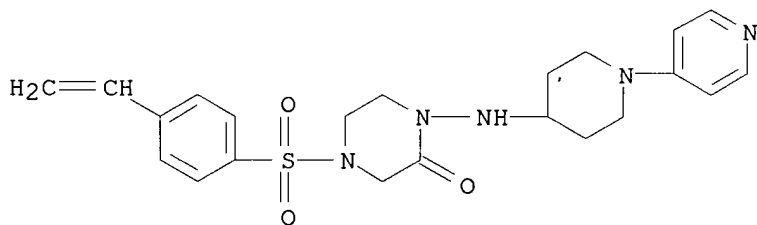
RN 315486-27-2 CAPLUS

CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



RN 315486-31-8 CAPLUS

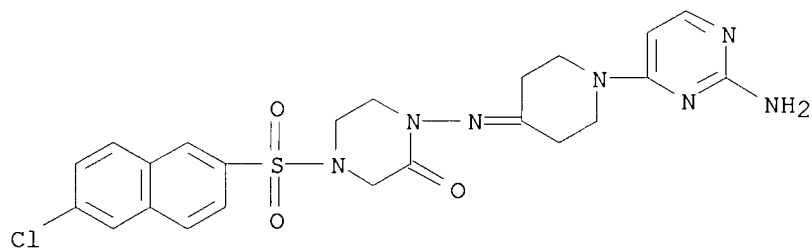
CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-41-0 CAPLUS

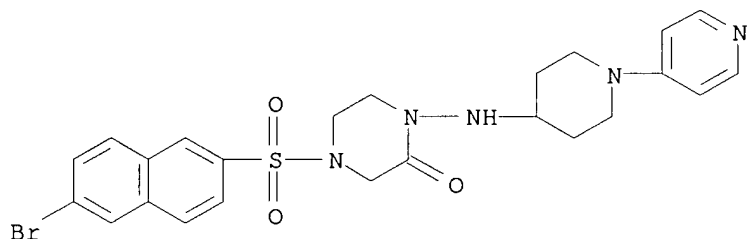
10/018,962

CN Piperazinone, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinylidene]amino]-4-
[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



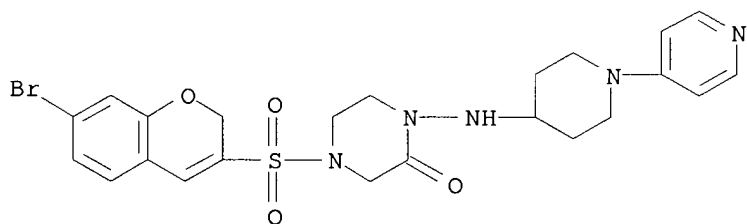
RN 315486-53-4 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-
piperidinyl]amino]- (9CI) (CA INDEX NAME)



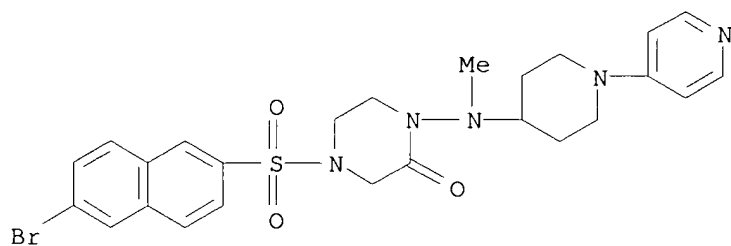
RN 315487-28-6 CAPLUS

CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-
pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



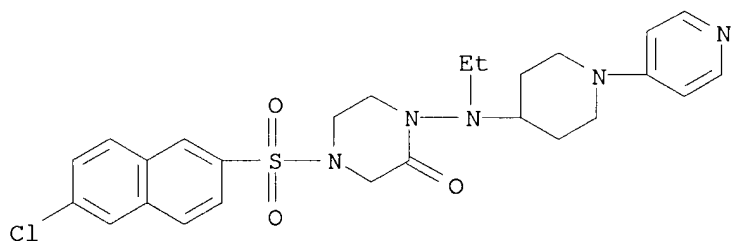
RN 315487-55-9 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-
pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



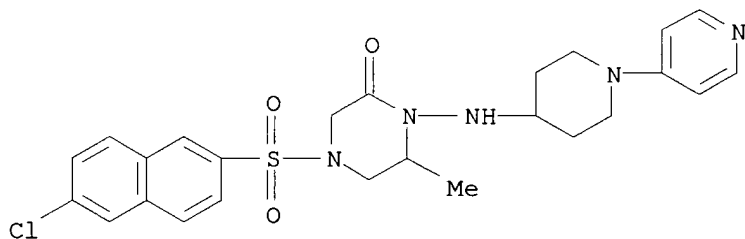
RN 315487-63-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-91-3 CAPLUS

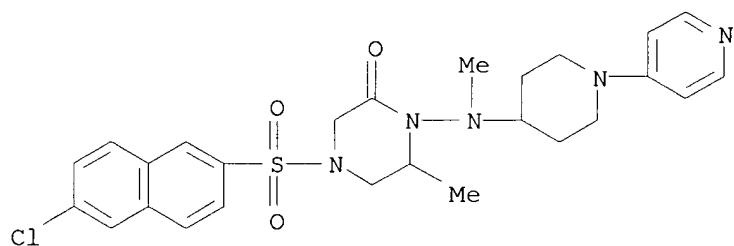
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

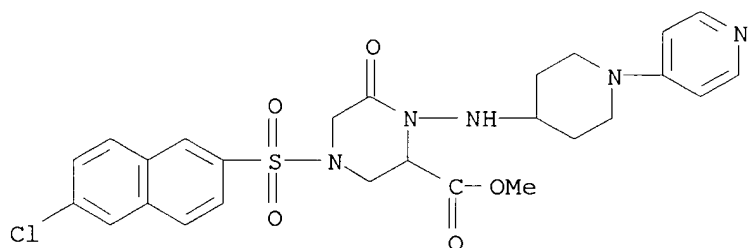
RN 315487-95-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-04-1 CAPLUS

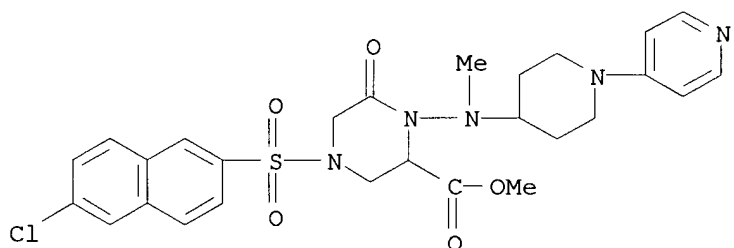
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315488-08-5 CAPLUS

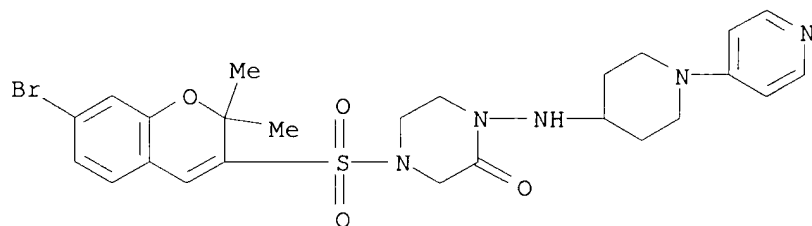
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

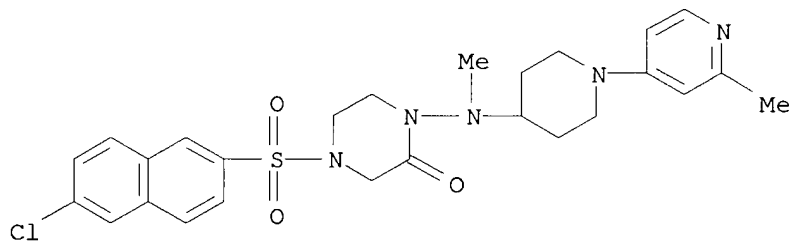
RN 315488-19-8 CAPLUS

CN Piperazinone, 4-[(7-bromo-2,2-dimethyl-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



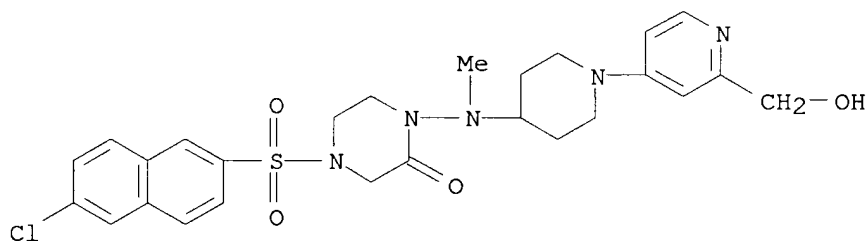
RN 315488-43-8 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-61-0 CAPLUS

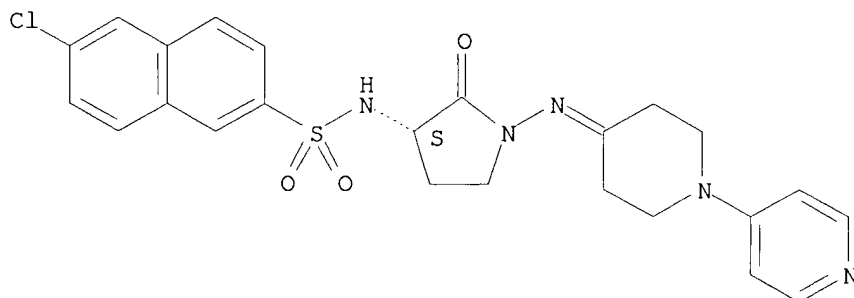
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315489-18-0 CAPLUS

CN 2-Naphthalenesulfonamide, 6-chloro-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

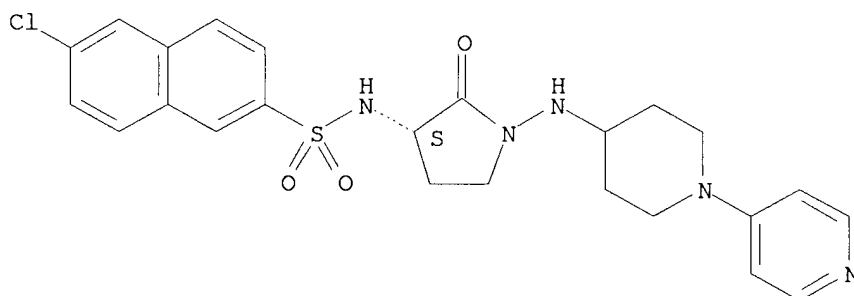
Absolute stereochemistry.



RN 315489-22-6 CAPLUS

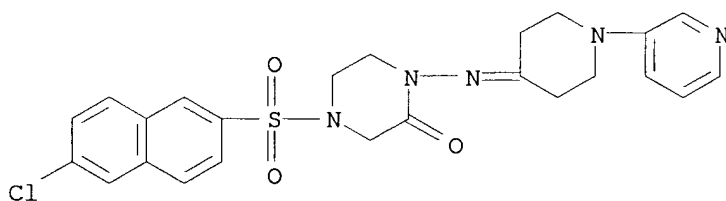
CN 2-Naphthalenesulfonamide, 6-chloro-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



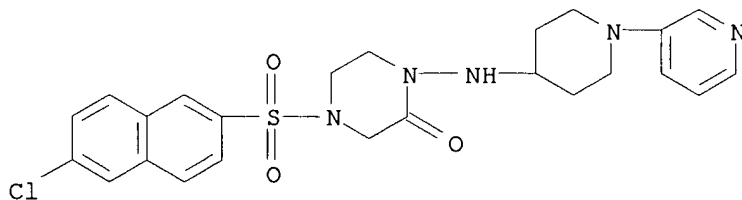
RN 315489-68-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-pyridinyl)-4-piperidinylidene]amino]- (9CI) (CA INDEX NAME)



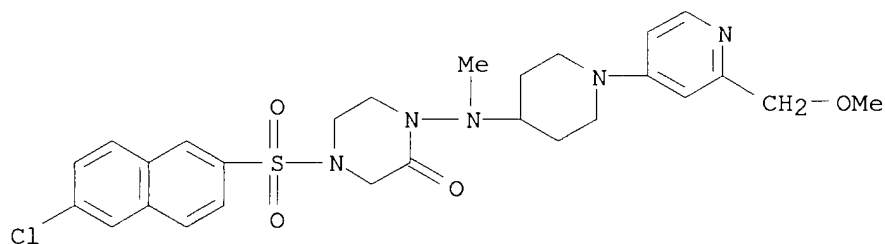
RN 315489-72-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



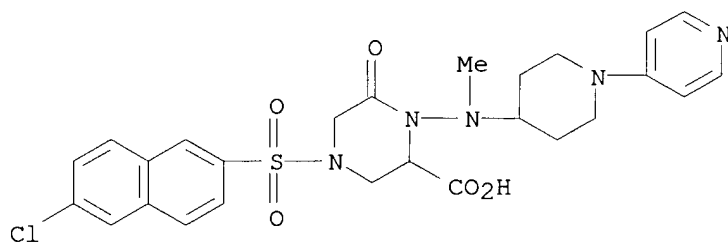
RN 315489-80-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(methoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



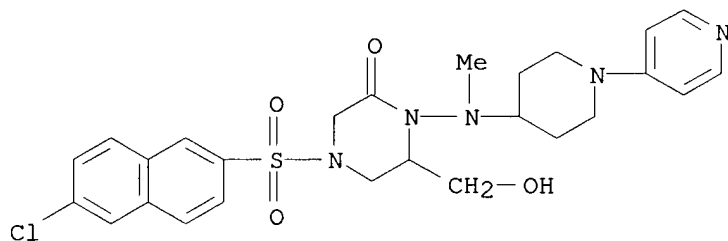
RN 315490-36-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



RN 315490-40-5 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



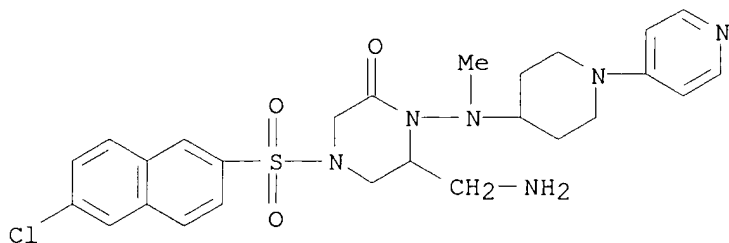
O HCl

RN 315490-50-7 CAPLUS

CN Piperazinone, 6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

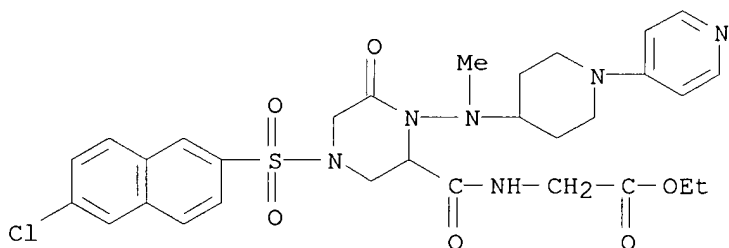
10/018,962

INDEX NAME)

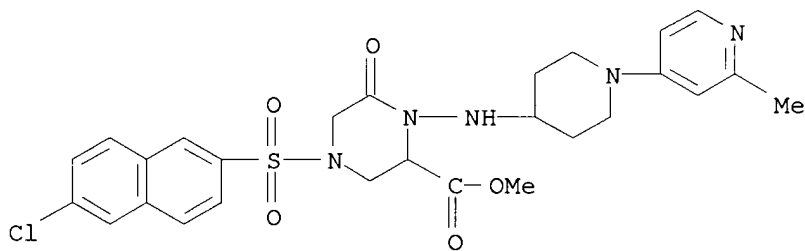


O2 HCl

RN 315490-80-3 CAPLUS
CN Glycine, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



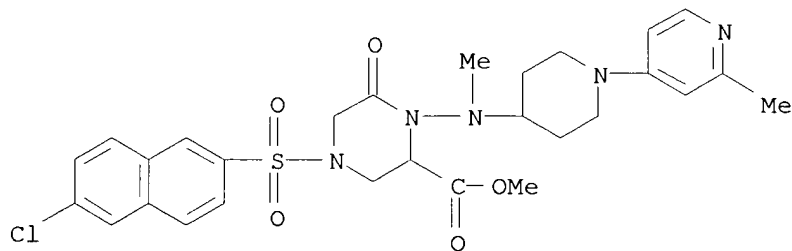
RN 315491-09-9 CAPLUS
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315491-14-6 CAPLUS
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-

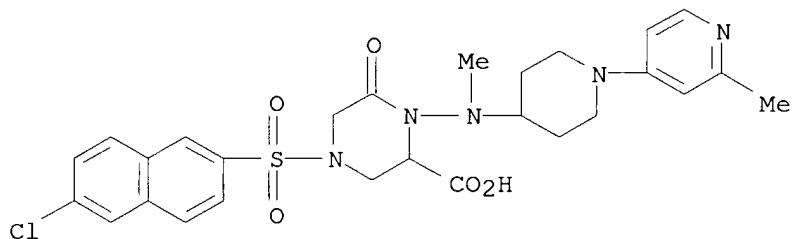
[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

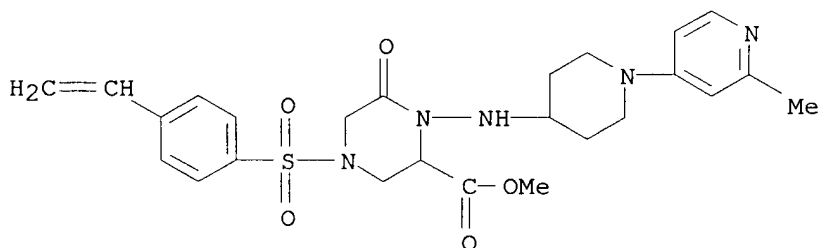
RN 315491-18-0 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



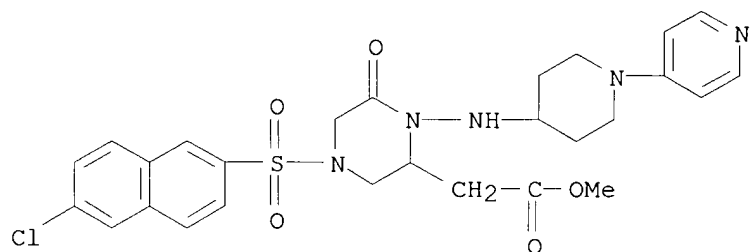
RN 315491-22-6 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(4-ethenylphenyl)sulfonyl]-1-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



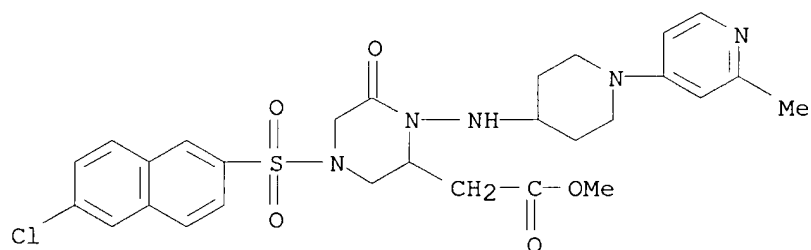
RN 315491-45-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[1-(4-pyridinyl)-4-piperidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



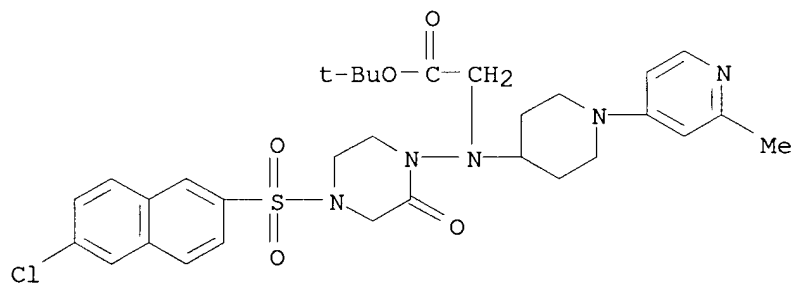
RN 315491-57-7 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



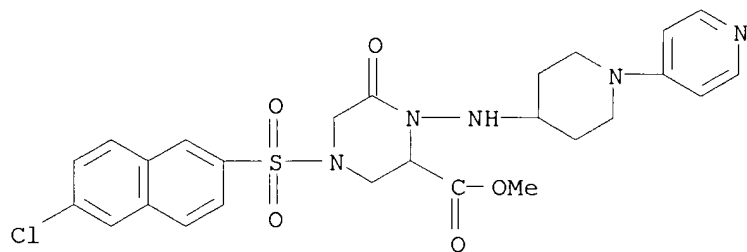
RN 315491-83-9 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315495-89-7 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

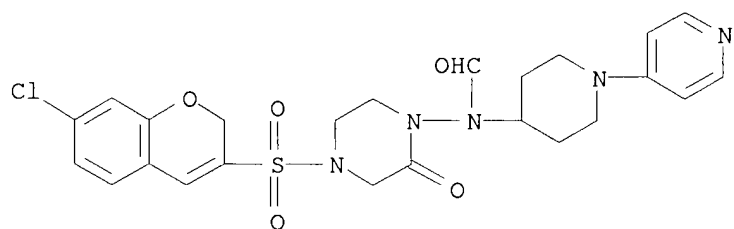


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 315486-72-7P 315486-76-1P 315486-80-7P
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 315492-42-3P 315492-46-7P 315492-50-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

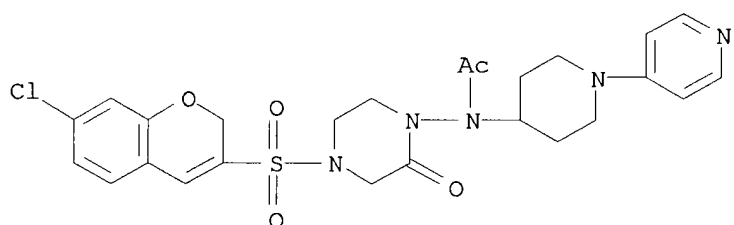
RN 315486-14-7 CAPLUS

CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[formyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-18-1 CAPLUS

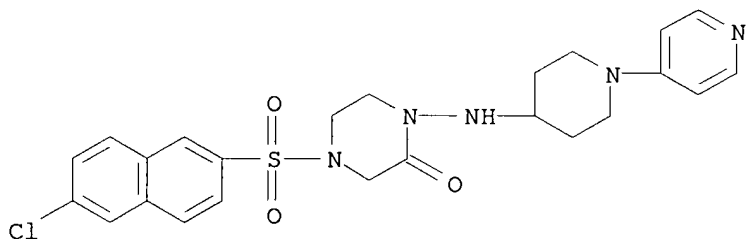
CN Acetamide, N-[4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(4-pyridinyl)-4-piperidinyl]-, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

RN 315486-23-8 CAPLUS

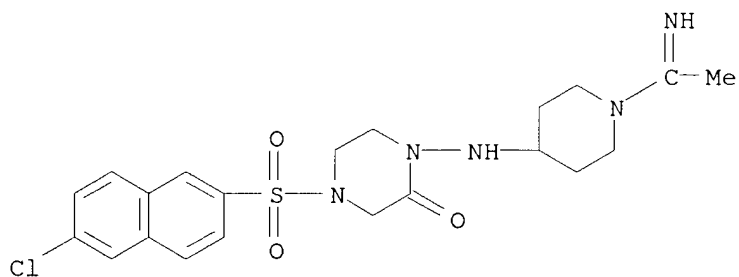
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 315486-36-3 CAPLUS

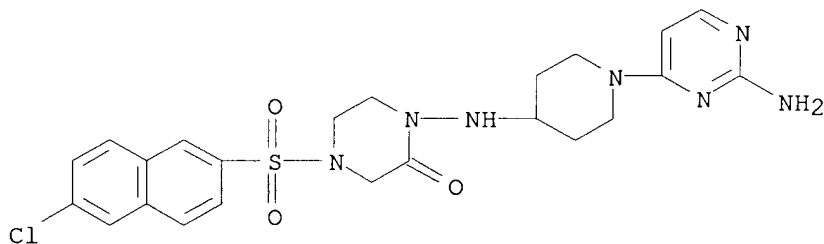
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

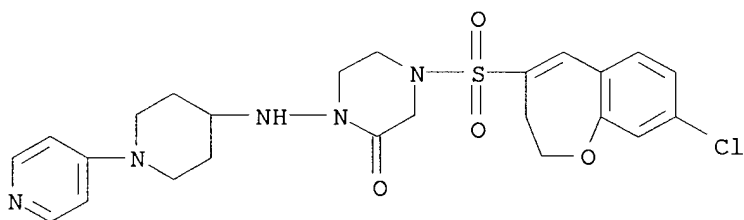
RN 315486-45-4 CAPLUS

CN Piperazinone, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinyl]amino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 315486-49-8 CAPLUS

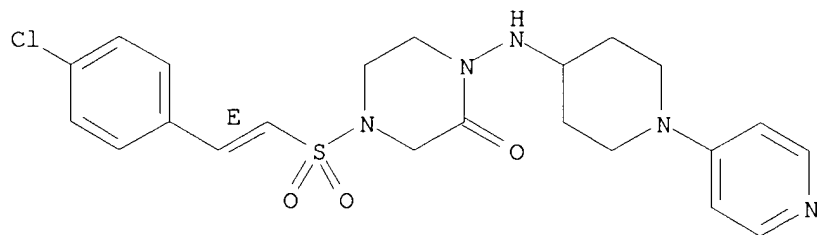
CN Piperazinone, 4-[(8-chloro-2,3-dihydro-1-benzoxepin-4-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-57-8 CAPLUS

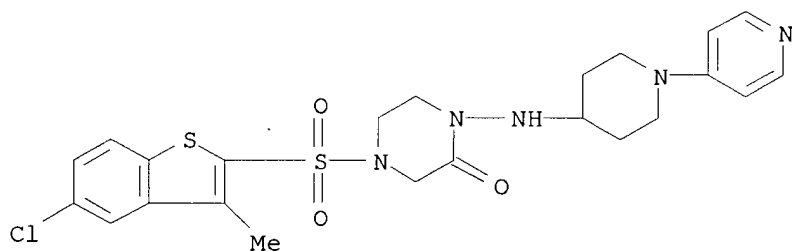
CN Piperazinone, 4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-1-[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



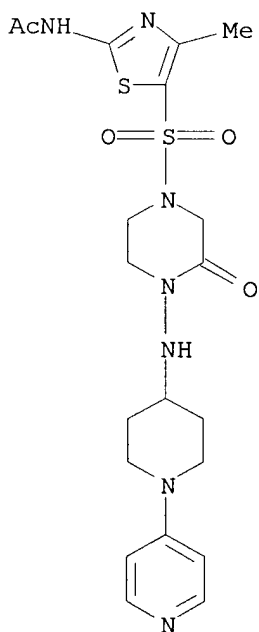
RN 315486-61-4 CAPLUS

CN Piperazinone, 4-[(5-chloro-3-methylbenzo[b]thien-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-68-1 CAPLUS

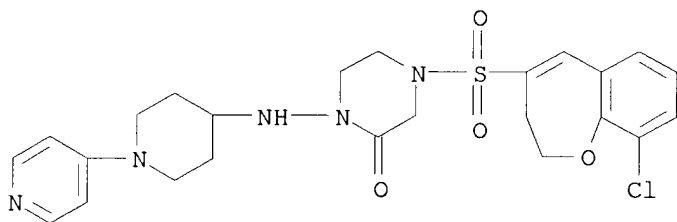
CN Acetamide, N-[4-methyl-5-[[3-oxo-4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-1-piperazinyl]sulfonyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 315486-72-7 CAPLUS

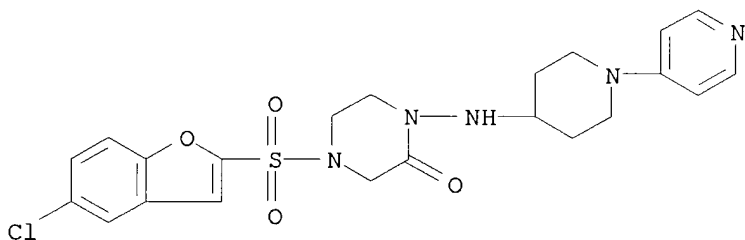
CN Piperazinone, 4-[(9-chloro-2,3-dihydro-1-benzoxepin-4-yl)sulfonyl]-1-[[1-

(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



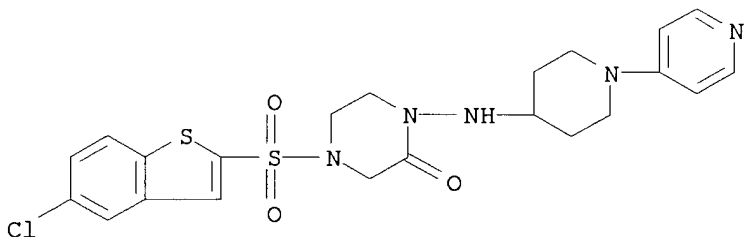
RN 315486-76-1 CAPLUS

CN Piperazinone, 4-[(5-chloro-2-benzofuranyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



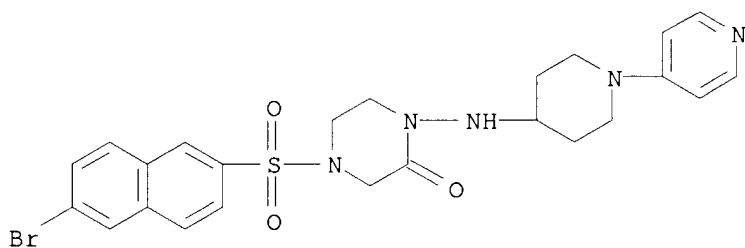
RN 315486-80-7 CAPLUS

CN Piperazinone, 4-[(5-chlorobenzo[b]thien-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315486-84-1 CAPLUS

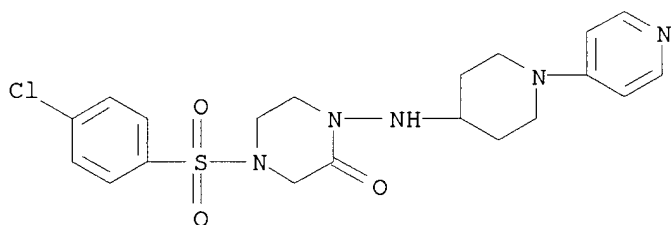
CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

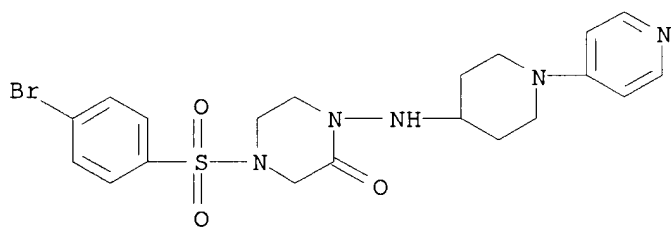
RN 315486-88-5 CAPLUS

CN Piperazinone, 4-[(4-chlorophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



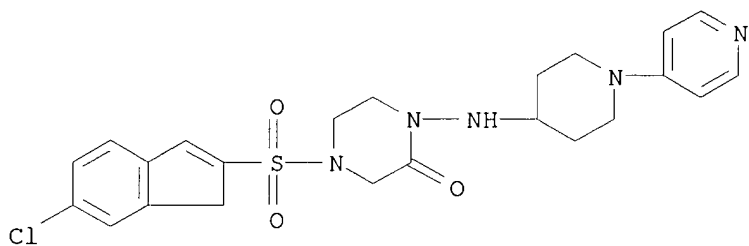
RN 315486-92-1 CAPLUS

CN Piperazinone, 4-[(4-bromophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

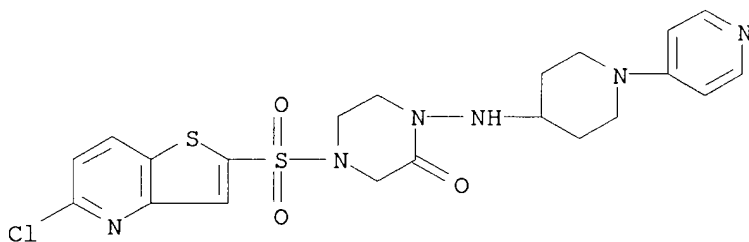


RN 315486-96-5 CAPLUS

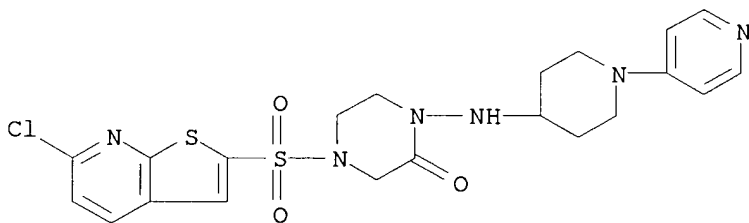
CN Piperazinone, 4-[(6-chloro-1H-inden-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-00-4 CAPLUS
 CN Piperazinone, 4-[(5-chlorothieno[3,2-b]pyridin-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

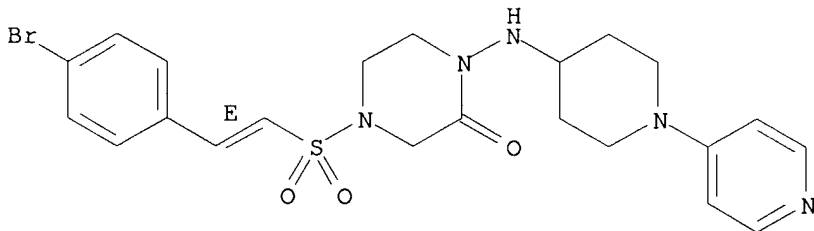


RN 315487-04-8 CAPLUS
 CN Piperazinone, 4-[(6-chlorothieno[2,3-b]pyridin-2-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-07-1 CAPLUS
 CN Piperazinone, 4-[(1E)-2-(4-bromophenyl)ethenylsulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

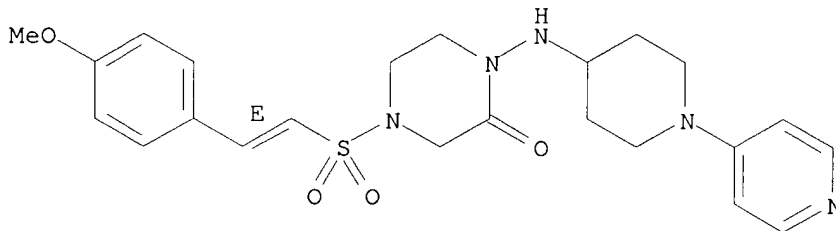
Double bond geometry as shown.



RN 315487-11-7 CAPLUS

CN Piperazinone, 4-[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

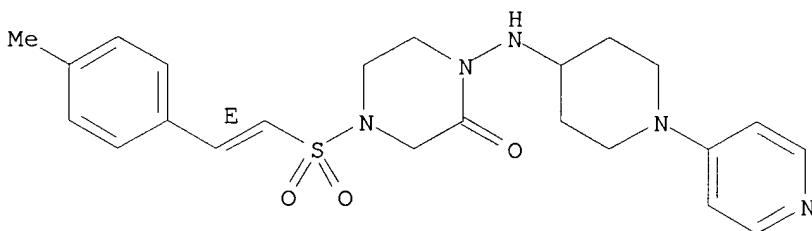
Double bond geometry as shown.



RN 315487-15-1 CAPLUS

CN Piperazinone, 4-[[(1E)-2-(4-methylphenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

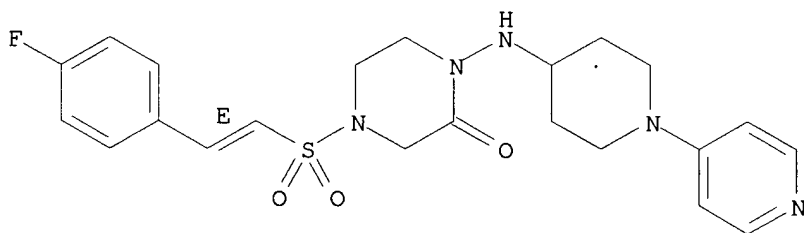
Double bond geometry as shown.



RN 315487-19-5 CAPLUS

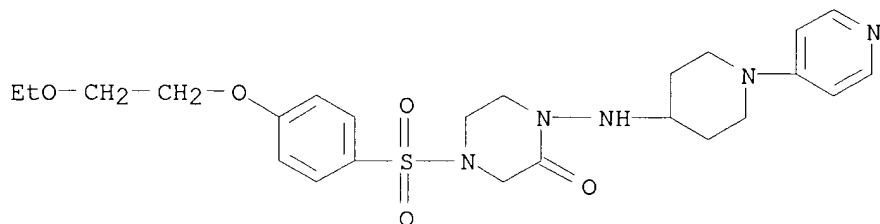
CN Piperazinone, 4-[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



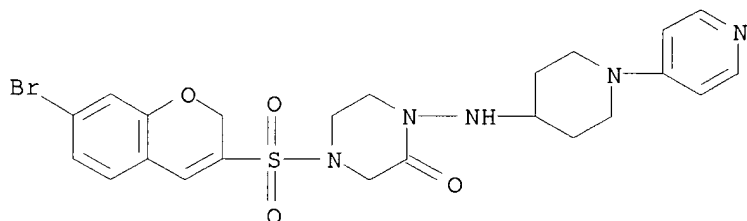
RN 315487-24-2 CAPLUS

CN Piperazinone, 4-[[4-(2-ethoxyethoxy)phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-33-3 CAPLUS

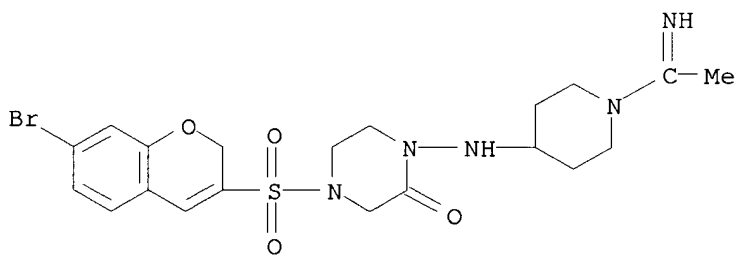
CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315487-38-8 CAPLUS

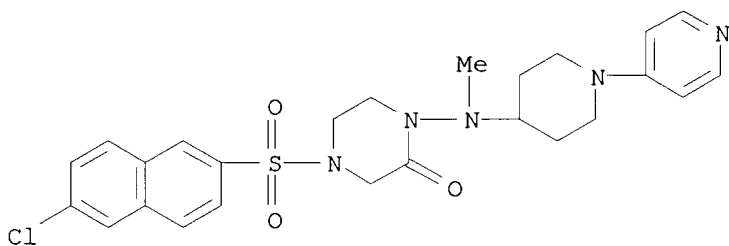
CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

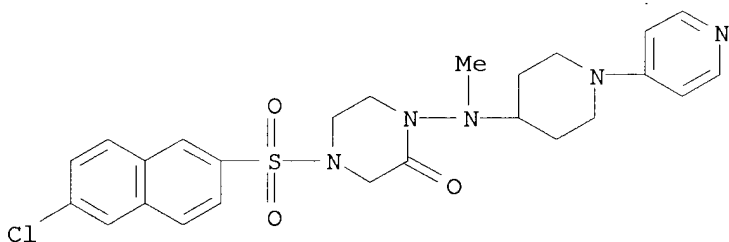
RN 315487-42-4 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-46-8 CAPLUS

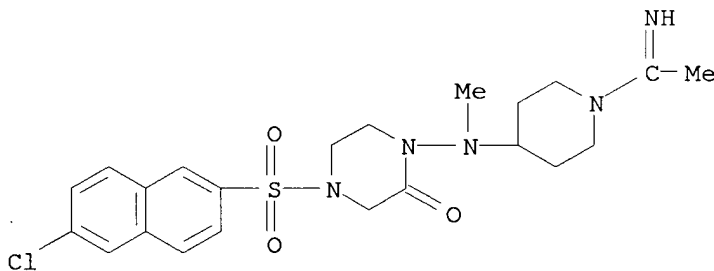
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊕ HCl

RN 315487-50-4 CAPLUS

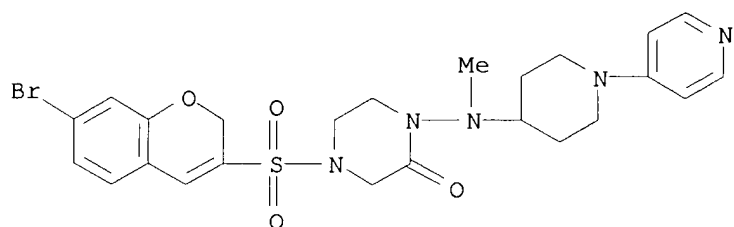
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1-iminoethyl)-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊕ HCl

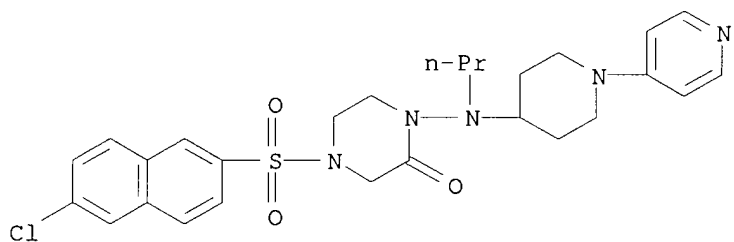
RN 315487-59-3 CAPLUS

CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



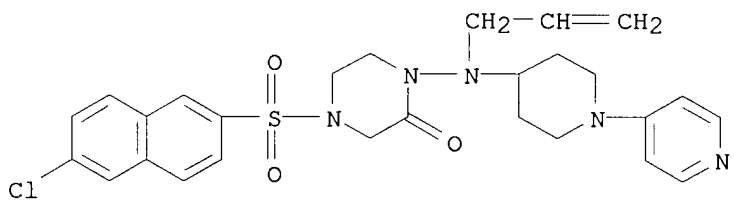
RN 315487-67-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[propyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



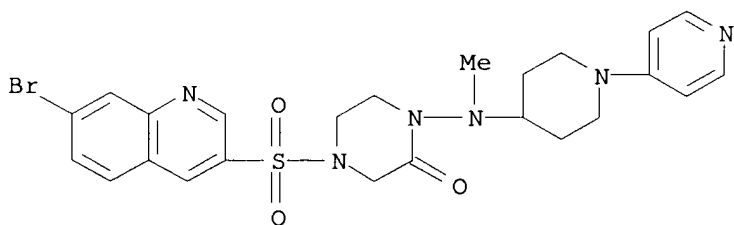
RN 315487-71-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[2-propenyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315487-79-7 CAPLUS

CN Piperazinone, 4-[(7-bromo-3-quinolinyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

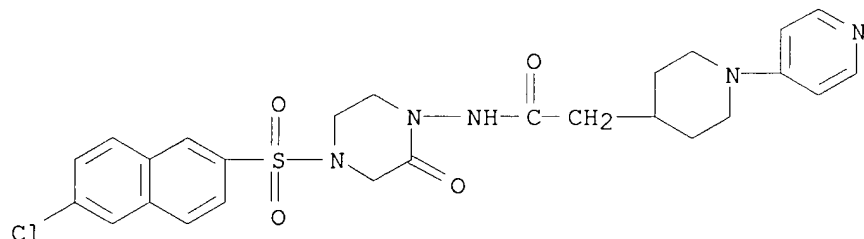


O HCl

10/018,962

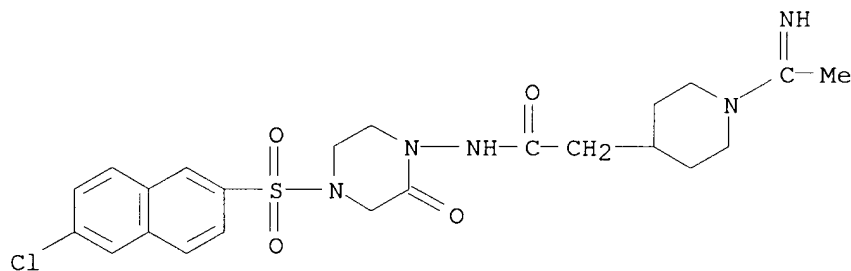
RN 315487-83-3 CAPLUS

CN 4-Piperidineacetamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 315487-88-8 CAPLUS

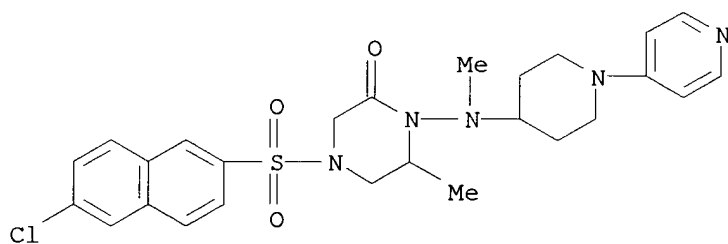
CN 4-Piperidineacetamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(1-iminoethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



Ⓓ 2 HCl

RN 315488-00-7 CAPLUS

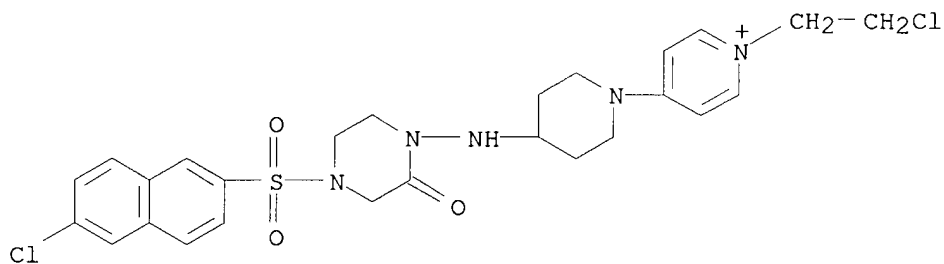
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



Ⓓ HCl

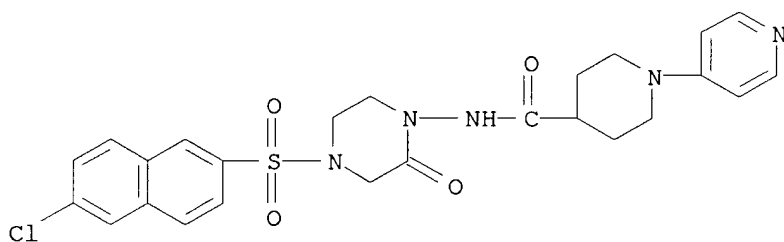
RN 315488-12-1 CAPLUS

CN Pyridinium, 1-(2-chloroethyl)-4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]amino]-1-piperidinyl]-, chloride (9CI) (CA INDEX NAME)



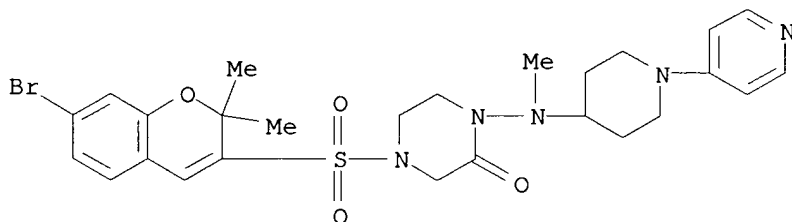
RN 315488-16-5 CAPLUS

CN 4-Piperidinecarboxamide, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



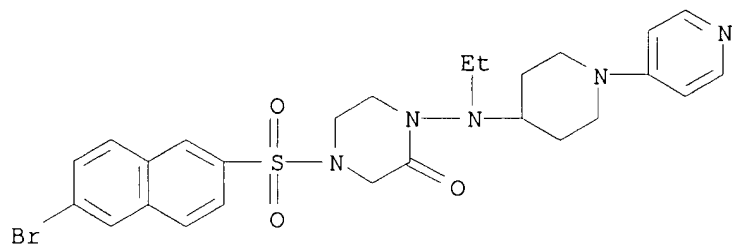
RN 315488-23-4 CAPLUS

CN Piperazinone, 4-[(7-bromo-2,2-dimethyl-2H-1-benzopyran-3-yl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



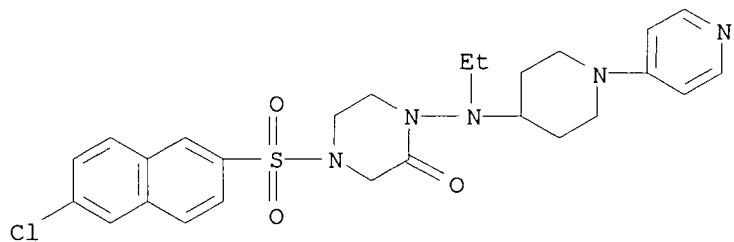
RN 315488-27-8 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-31-4 CAPLUS

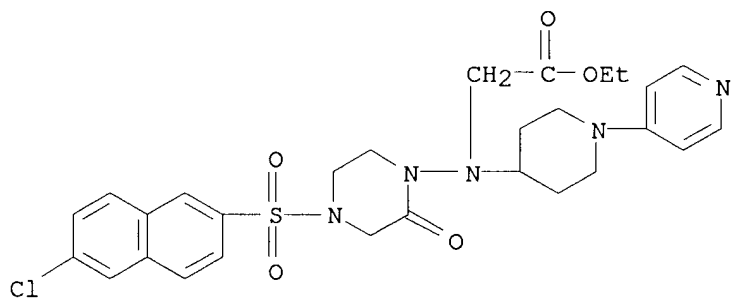
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[ethyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊗ HCl

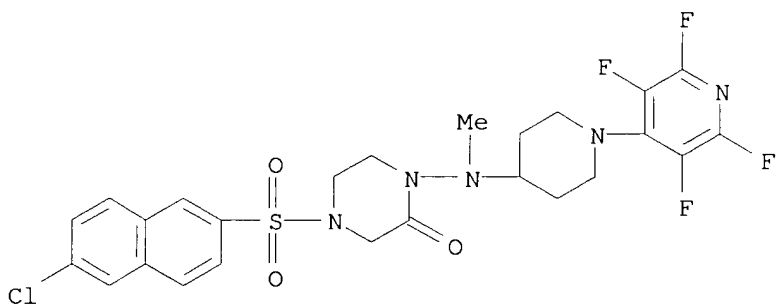
RN 315488-35-8 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(4-pyridinyl)-4-piperidinyl]-, ethyl ester (9CI) (CA INDEX NAME)



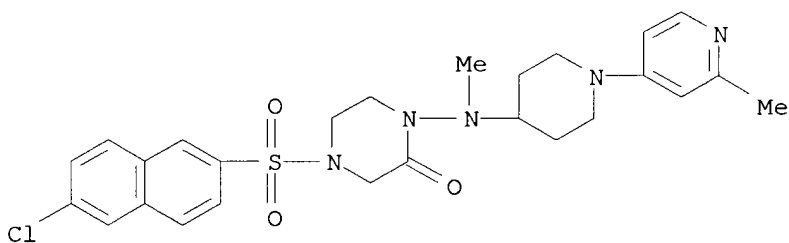
RN 315488-39-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2,3,5,6-tetrafluoro-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315488-48-3 CAPLUS

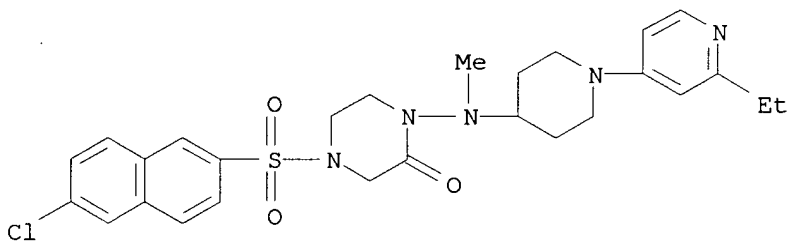
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

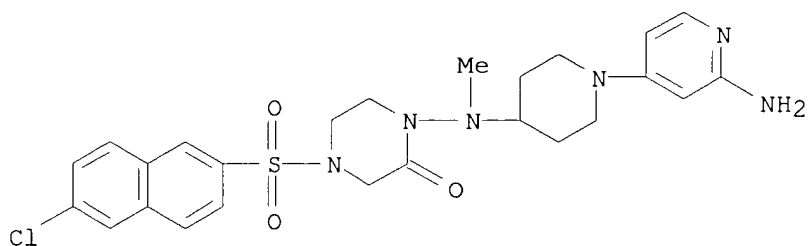
RN 315488-53-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-ethyl-4-pyridinyl)-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



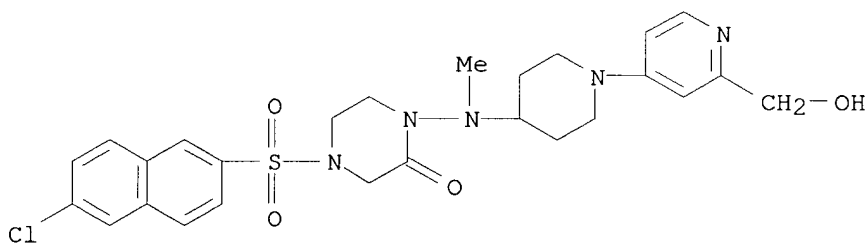
RN 315488-57-4 CAPLUS

CN Piperazinone, 1-[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methylamino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 315488-65-4 CAPLUS

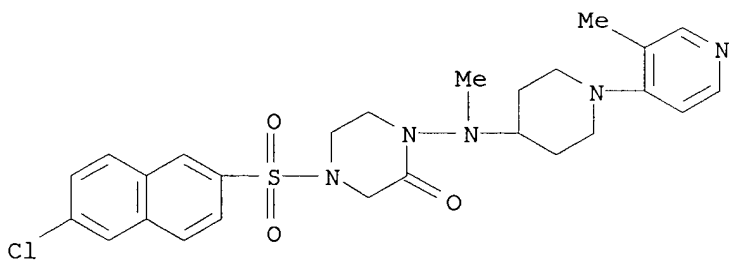
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



⊕ HCl

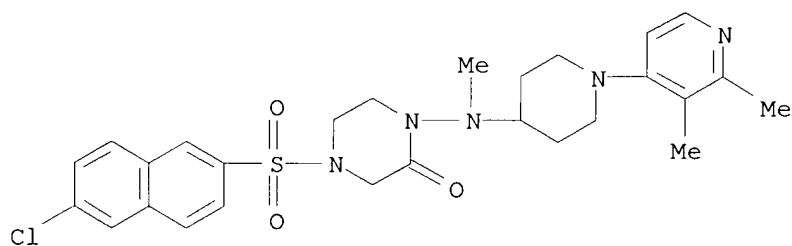
RN 315488-69-8 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(3-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



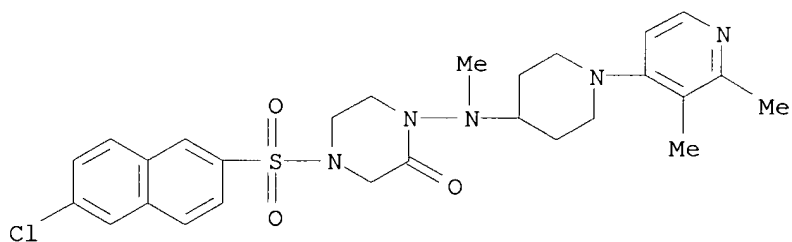
RN 315488-73-4 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2,3-dimethyl-4-pyridinyl)-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315488-77-8 CAPLUS

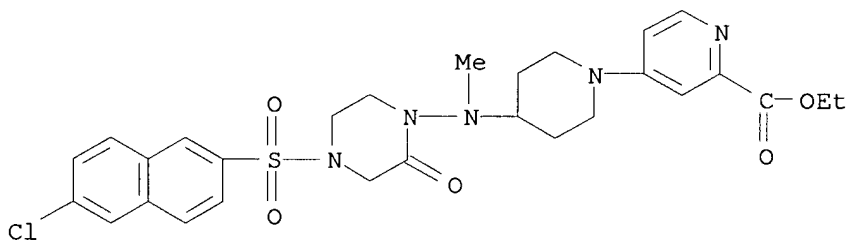
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2,3-dimethyl-4-pyridinyl)-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

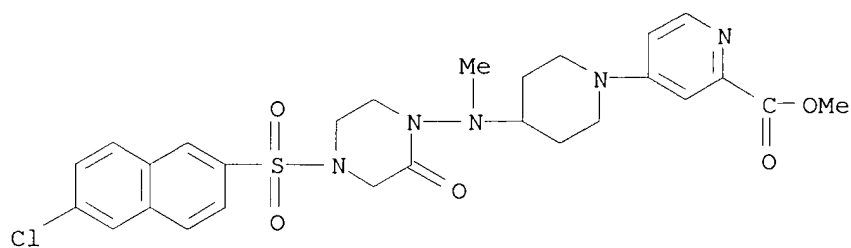
RN 315488-81-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, ethyl ester (9CI) (CA INDEX NAME)

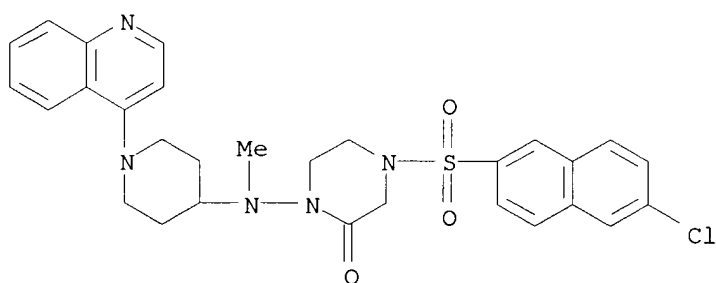


RN 315488-86-9 CAPLUS

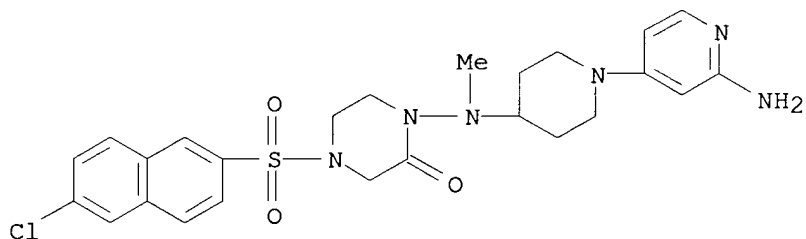
CN 2-Pyridinecarboxylic acid, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 315488-90-5 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-quinolinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)

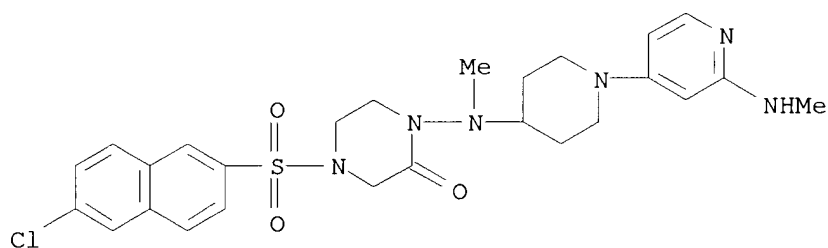


RN 315488-94-9 CAPLUS
 CN Piperazinone, 1-[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methylamino]-4-[(6-chloro-2-naphthalenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



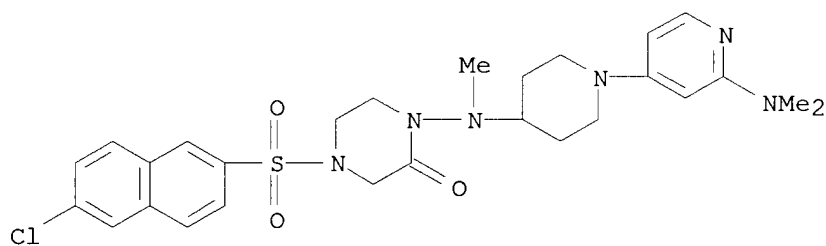
○ HCl

RN 315488-98-3 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-(methylamino)-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



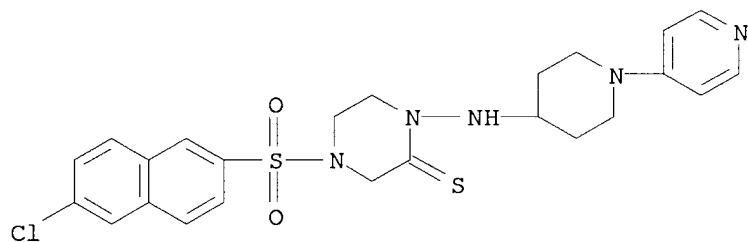
RN 315489-02-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(dimethylamino)-4-pyridinyl]-4-piperidinyl]methyamino]- (9CI) (CA INDEX NAME)



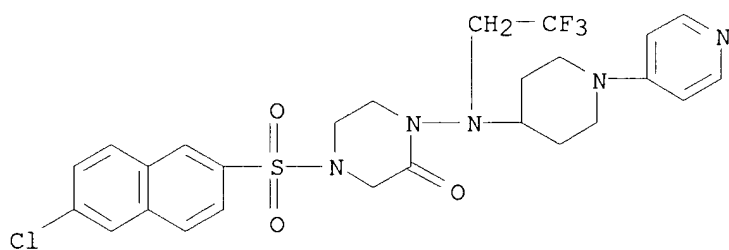
RN 315489-06-6 CAPLUS

CN Piperazinethione, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



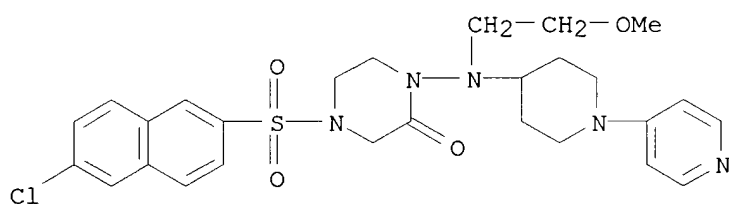
RN 315489-10-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl](2,2,2-trifluoroethyl)amino]- (9CI) (CA INDEX NAME)



RN 315489-14-6 CAPLUS

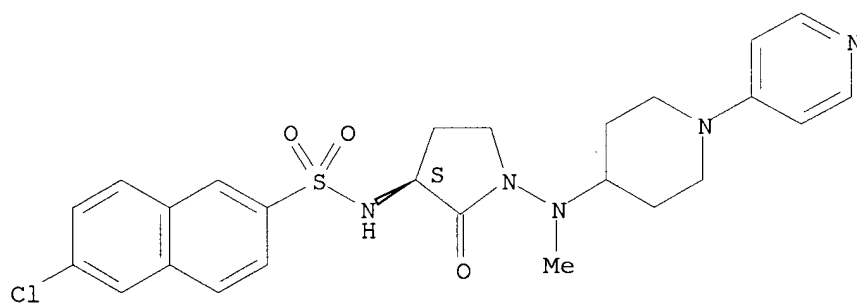
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(2-methoxyethyl)[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-27-1 CAPLUS

CN 2-Naphthalenesulfonamide, 6-chloro-N-[(3S)-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

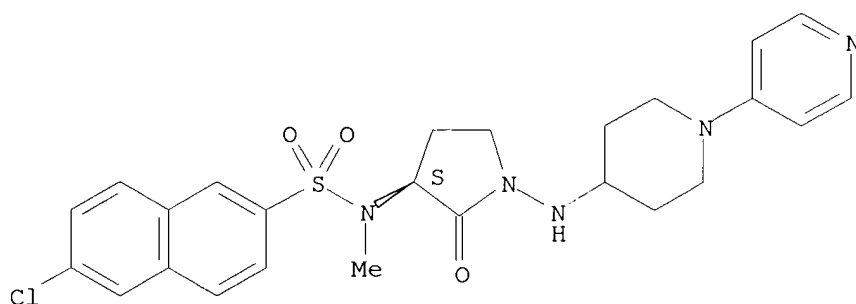
Absolute stereochemistry.



RN 315489-32-8 CAPLUS

CN 2-Naphthalenesulfonamide, 6-chloro-N-methyl-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

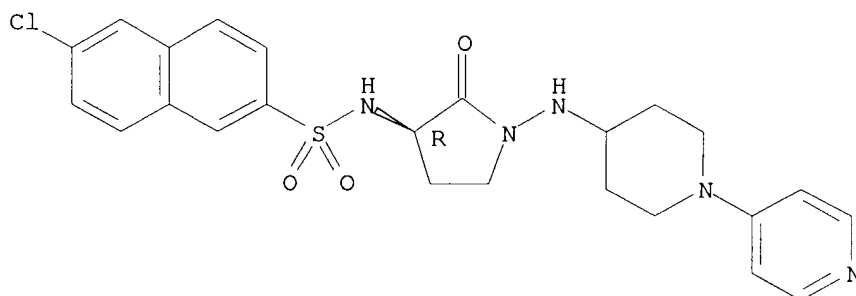
Absolute stereochemistry.



RN 315489-36-2 CAPLUS

CN 2-Naphthalenesulfonamide, 6-chloro-N-[(3R)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

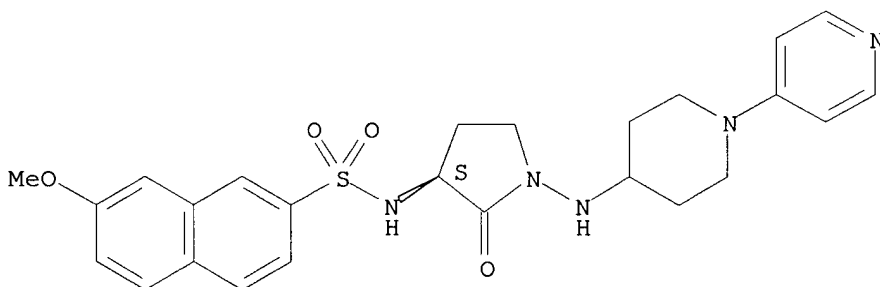
Absolute stereochemistry.



RN 315489-40-8 CAPLUS

CN 2-Naphthalenesulfonamide, 7-methoxy-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

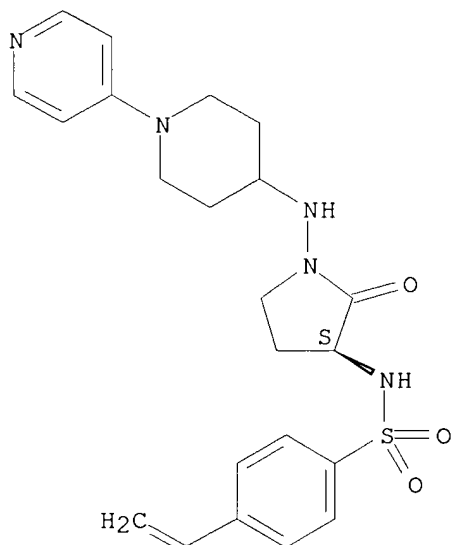
Absolute stereochemistry.



RN 315489-44-2 CAPLUS

CN Benzenesulfonamide, 4-ethenyl-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

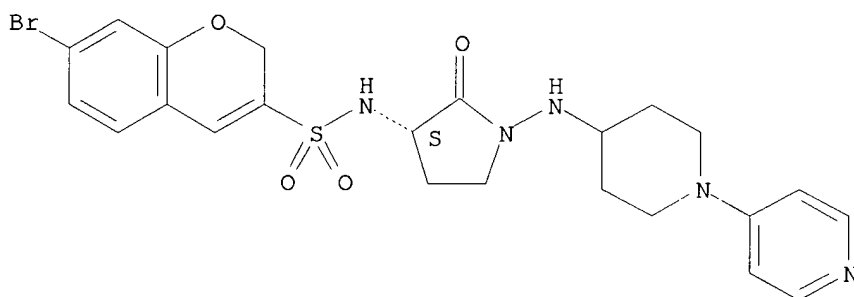
Absolute stereochemistry.



RN 315489-48-6 CAPLUS

CN 2H-1-Benzopyran-3-sulfonamide, 7-bromo-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

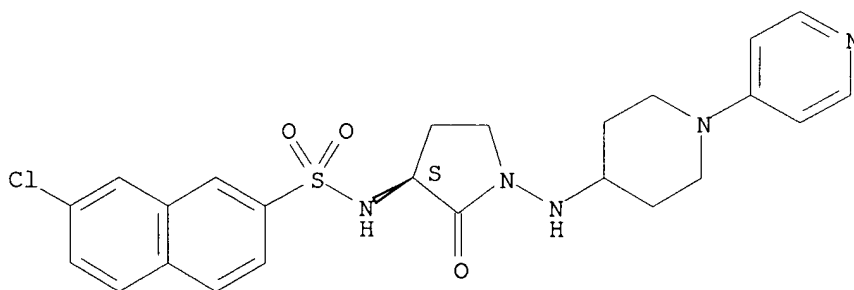
Absolute stereochemistry.



RN 315489-52-2 CAPLUS

CN 2-Naphthalenesulfonamide, 7-chloro-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



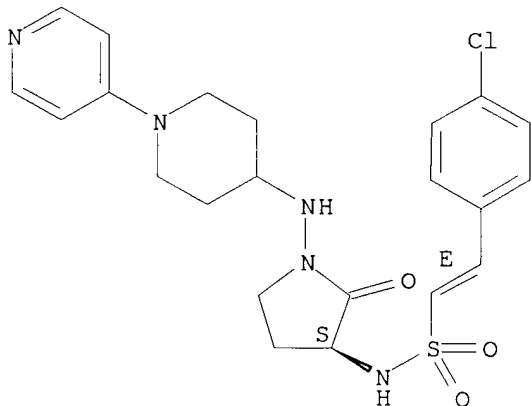
10/018,962

RN 315489-56-6 CAPLUS

CN Ethenesulfonamide, 2-(4-chlorophenyl)-N-[(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]-, (1E)- (9CI) (CA INDEX NAME)

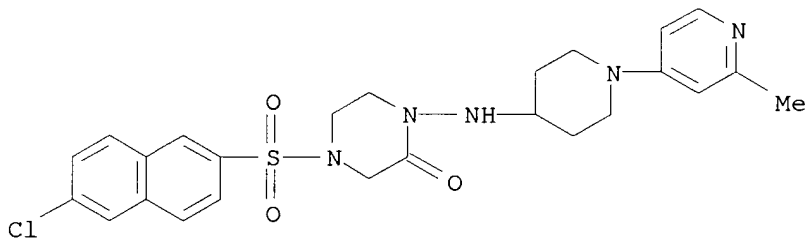
Absolute stereochemistry.

Double bond geometry as shown.



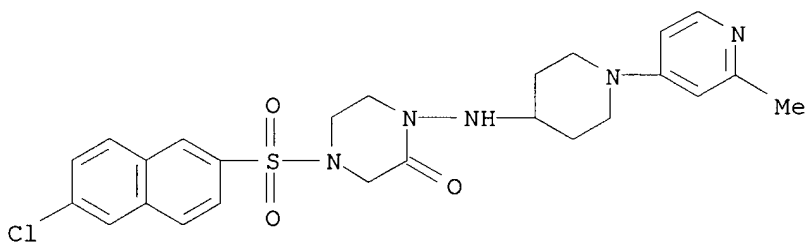
RN 315489-60-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-64-6 CAPLUS

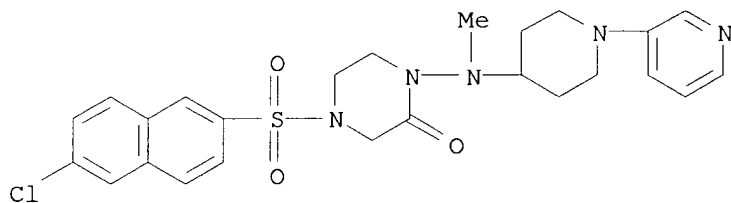
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

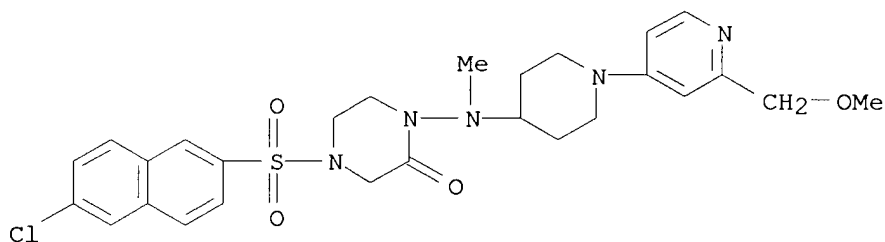
RN 315489-76-0 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(3-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315489-84-0 CAPLUS

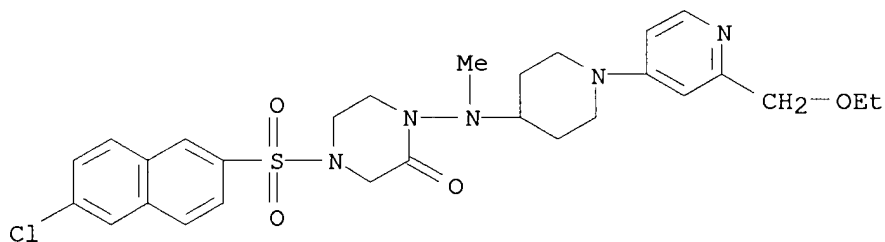
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(methoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

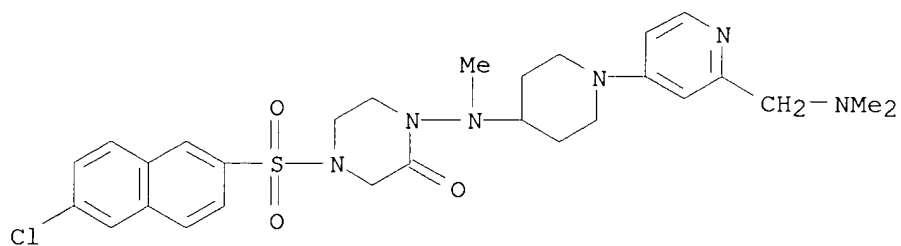
RN 315489-86-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(ethoxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



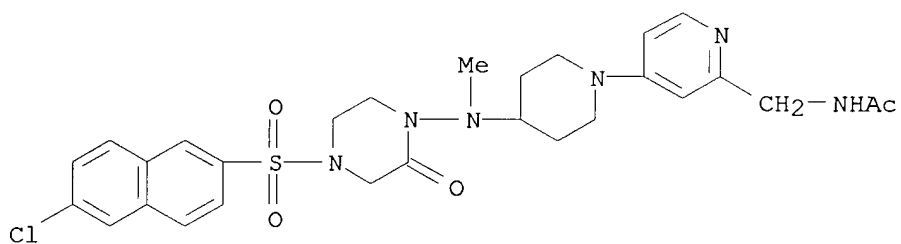
RN 315489-91-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-[(dimethylamino)methyl]-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



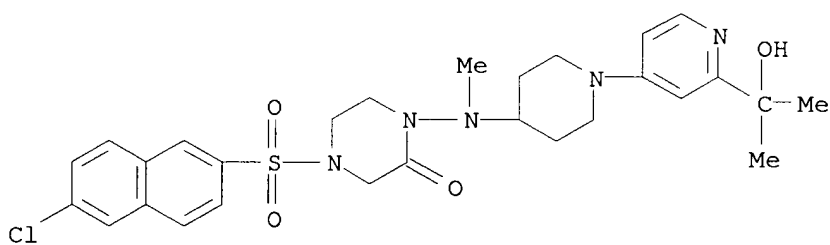
RN 315489-95-3 CAPLUS

CN Acetamide, N-[[4-[4-[4-[4-(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-2-pyridinyl]methyl]- (9CI) (CA INDEX NAME)



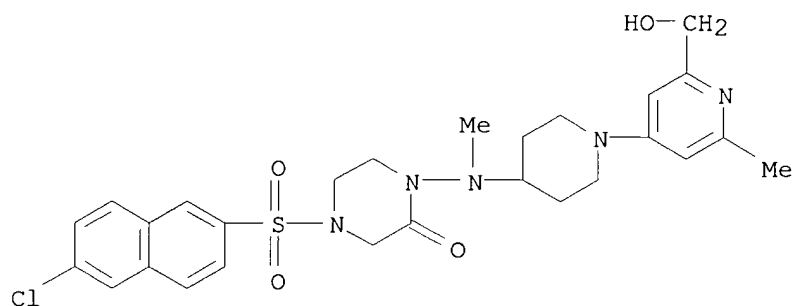
RN 315489-99-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(1-hydroxy-1-methylethyl)-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



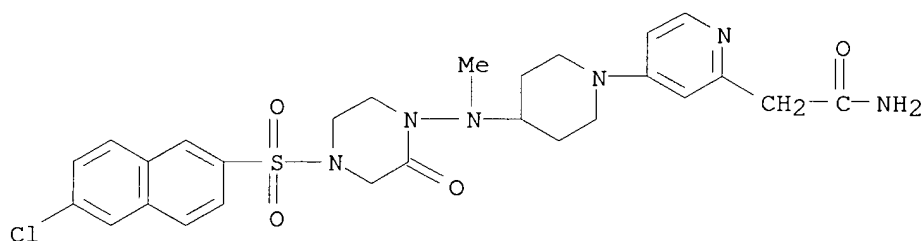
RN 315490-04-1 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-6-methyl-4-pyridinyl]-4-piperidinyl]methylamino]- (9CI) (CA INDEX NAME)



RN 315490-08-5 CAPLUS

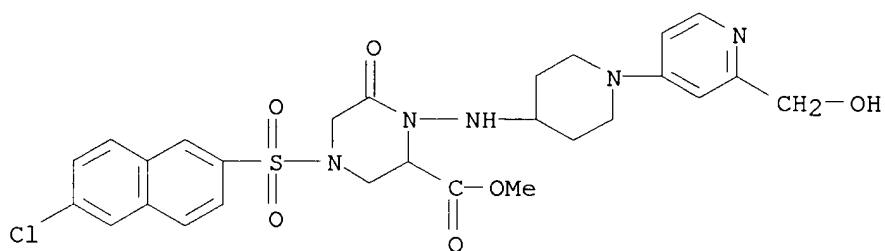
CN 2-Pyridineacetamide, 4-[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-1-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



O HCl

RN 315490-12-1 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)



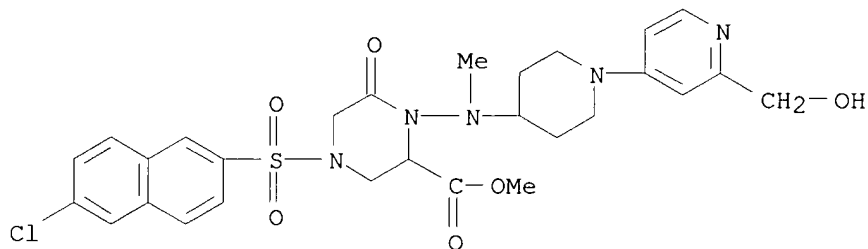
O2 HCl

RN 315490-15-4 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-

10/018,962

[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

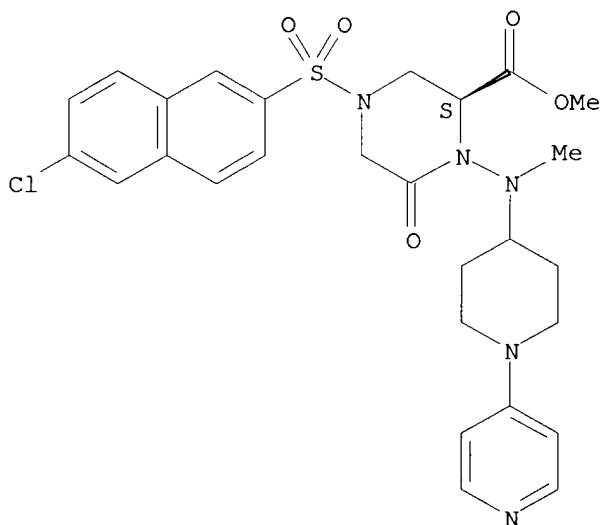


⊗ HCl

RN 315490-19-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

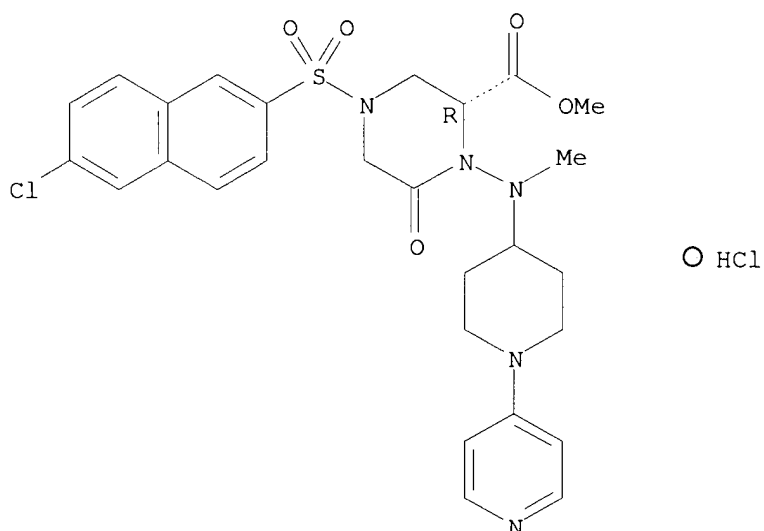


⊗ HCl

RN 315490-23-4 CAPLUS

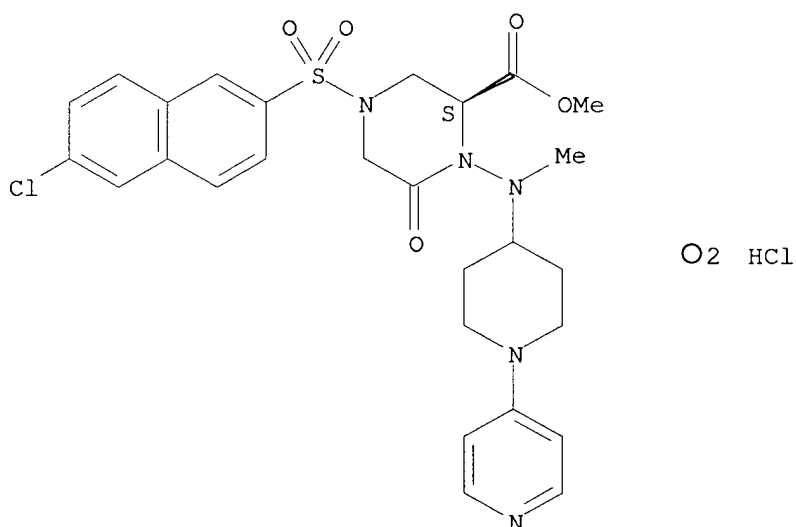
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



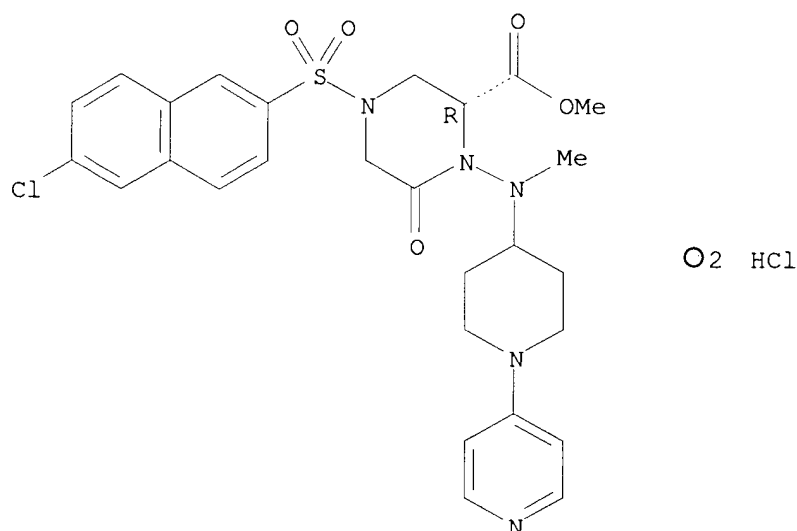
RN 315490-28-9 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

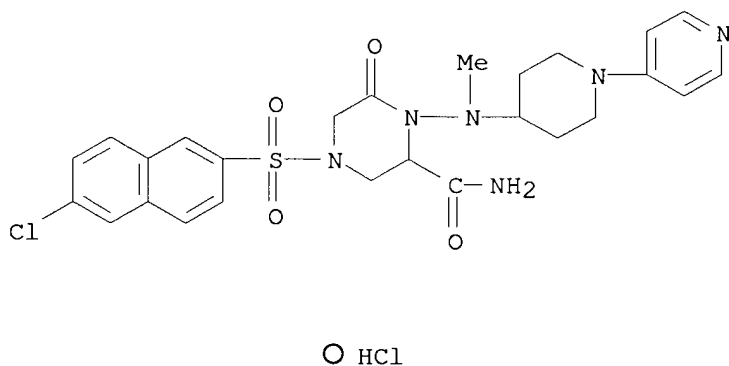


RN 315490-32-5 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester, dihydrochloride, (2R)- (9CI) (CA INDEX NAME)

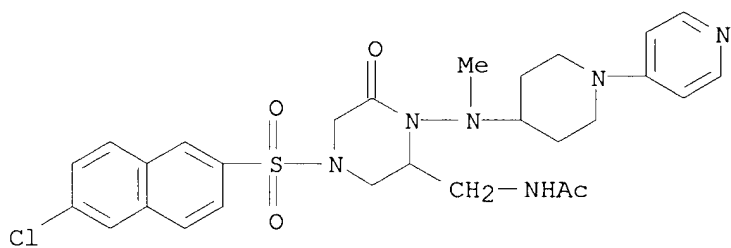
Absolute stereochemistry.



RN 315490-45-0 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



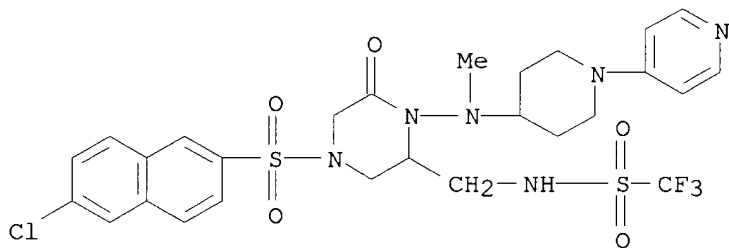
RN 315490-54-1 CAPLUS
 CN Acetamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

RN 315490-58-5 CAPLUS

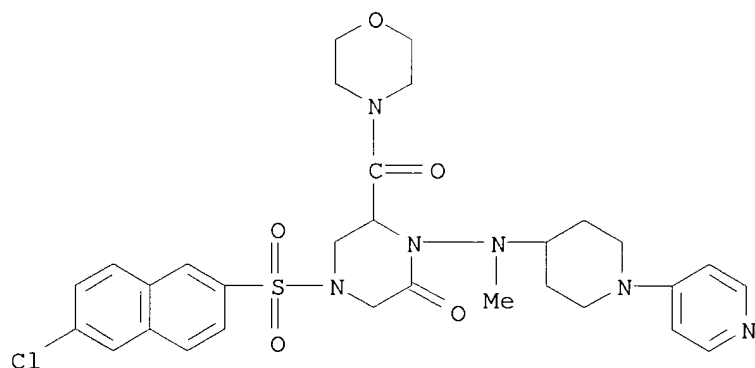
CN Methanesulfonamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]-1,1,1-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

RN 315490-63-2 CAPLUS

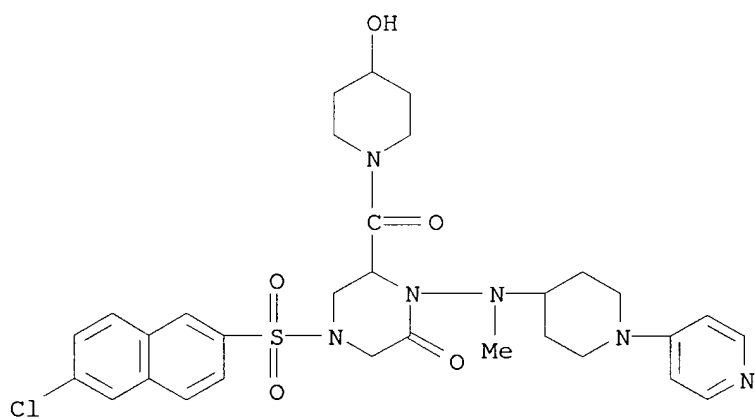
CN Morpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

RN 315490-67-6 CAPLUS

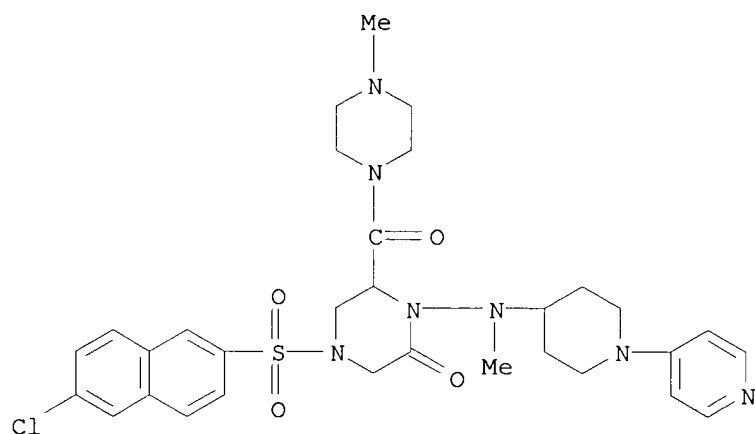
CN 4-Piperidinol, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315490-72-3 CAPLUS

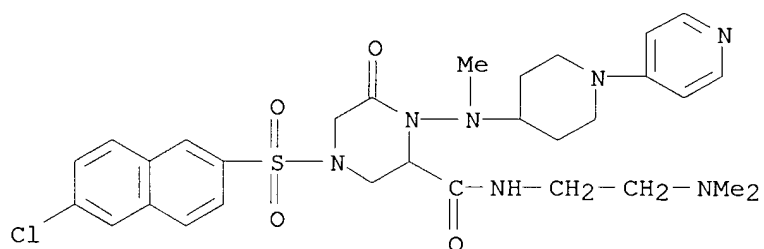
CN Piperazine, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-4-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315490-76-7 CAPLUS

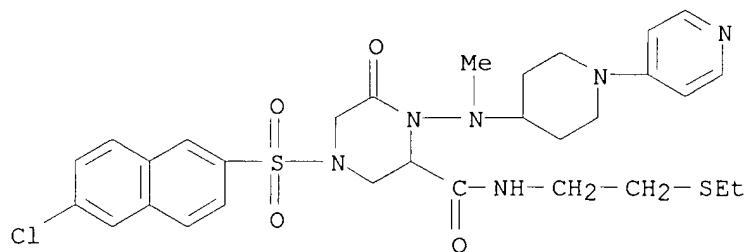
CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-[2-(dimethylamino)ethyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

RN 315490-84-7 CAPLUS

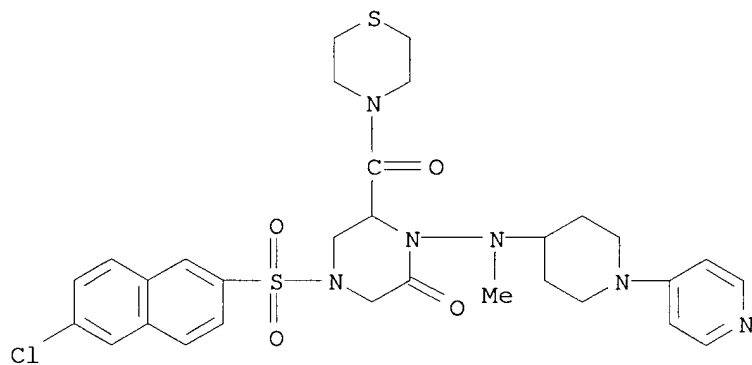
CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-[2-(ethylthio)ethyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



⊕ HCl

RN 315490-88-1 CAPLUS

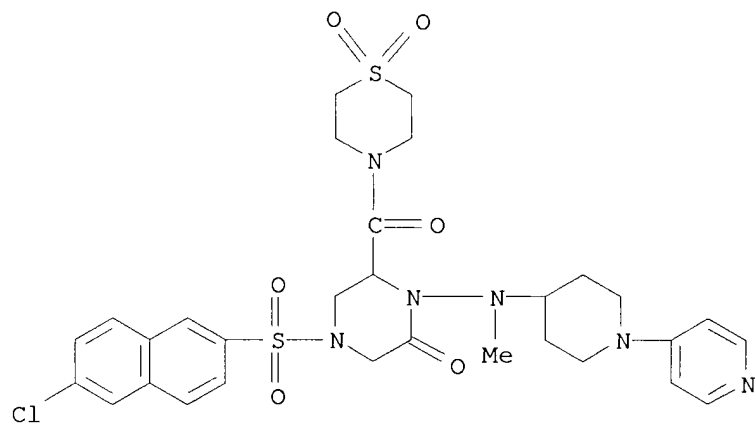
CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

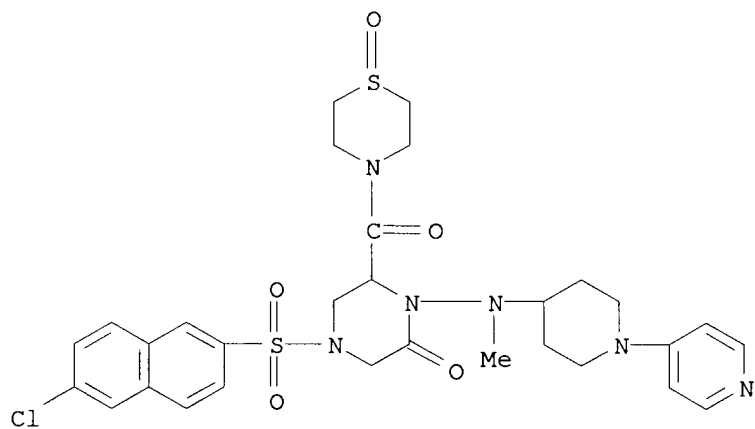
RN 315490-92-7 CAPLUS

CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1,1-dioxide, monohydrochloride (9CI) (CA INDEX NAME)



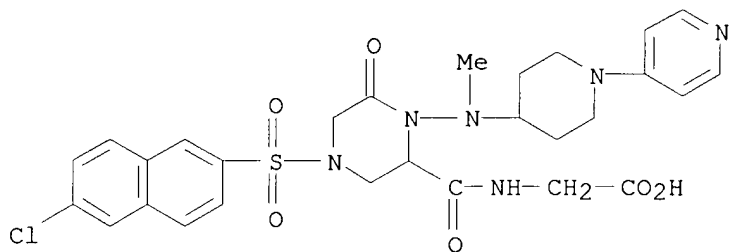
⊙ HCl

RN 315490-96-1 CAPLUS
 CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1-oxide, monohydrochloride (9CI) (CA INDEX NAME)



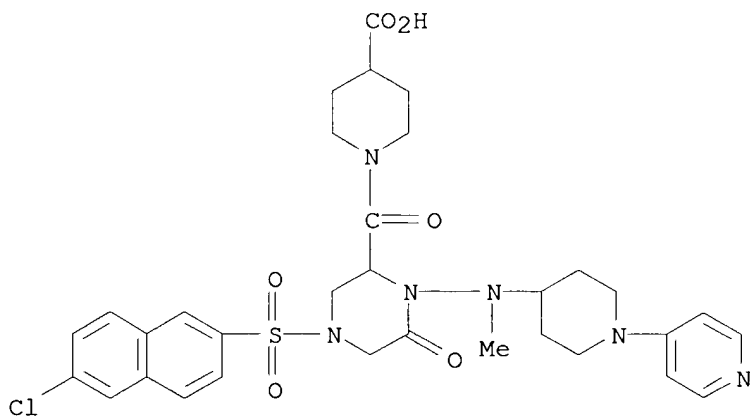
⊙ HCl

RN 315491-00-0 CAPLUS
 CN Glycine, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



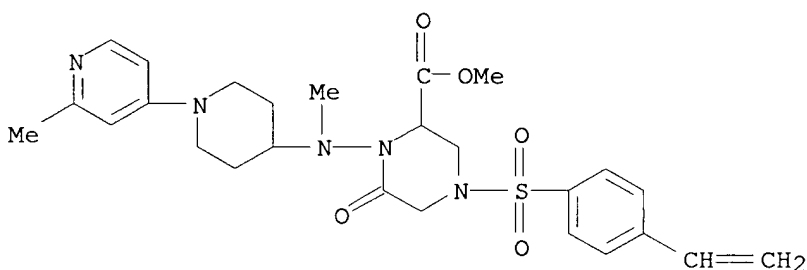
RN 315491-04-4 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-
(9CI) (CA INDEX NAME)



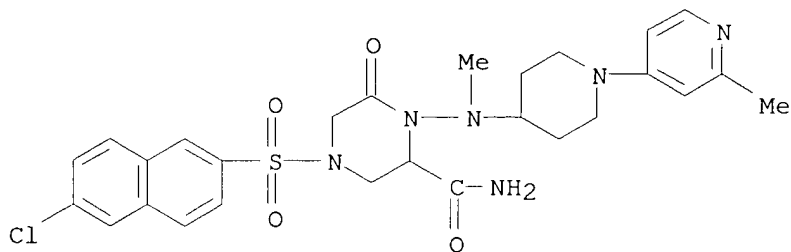
RN 315491-26-0 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(4-ethenylphenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 315491-31-7 CAPLUS

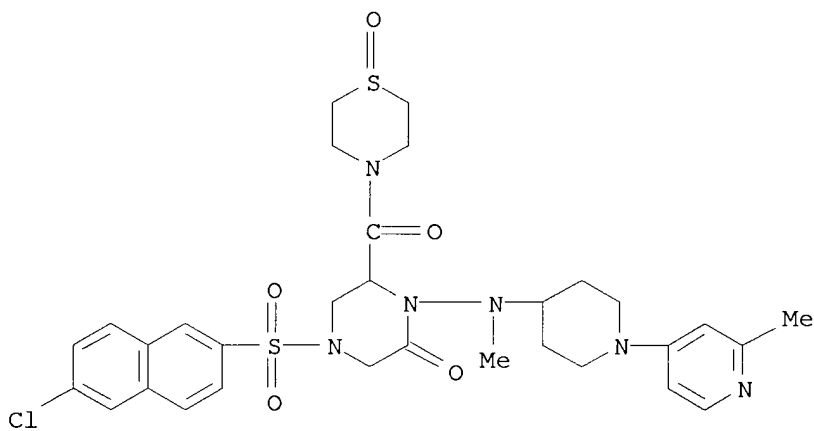
CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, monohydrochloride
(9CI) (CA INDEX NAME)



⊙ HCl

RN 315491-36-2 CAPLUS

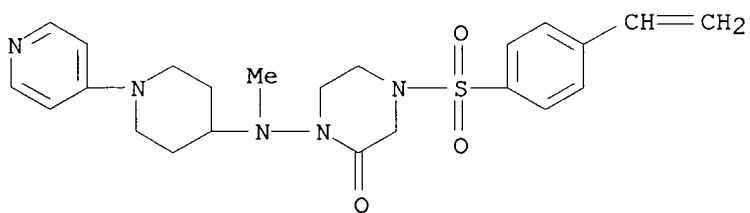
CN Thiomorpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]carbonyl]-, 1-oxide, monohydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 315491-40-8 CAPLUS

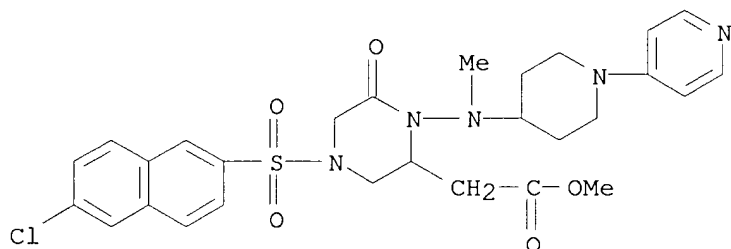
CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



RN 315491-49-7 CAPLUS

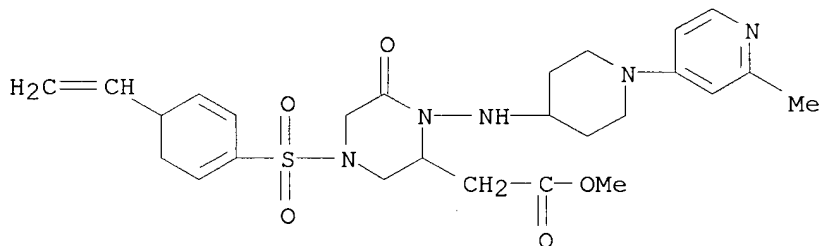
10/018,962

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



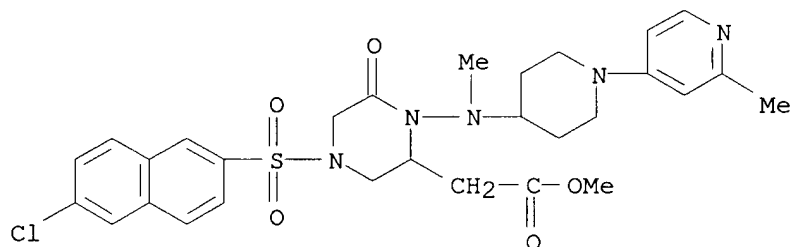
RN 315491-53-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(4-ethenyl-1,5-cyclohexadien-1-yl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



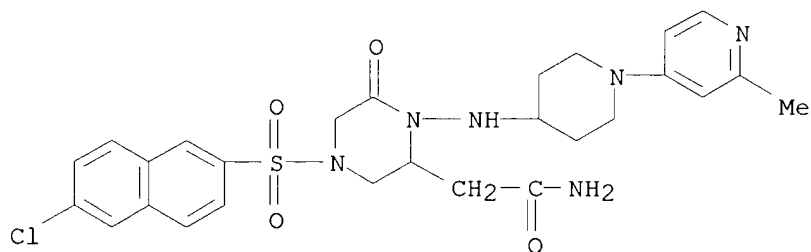
RN 315491-61-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



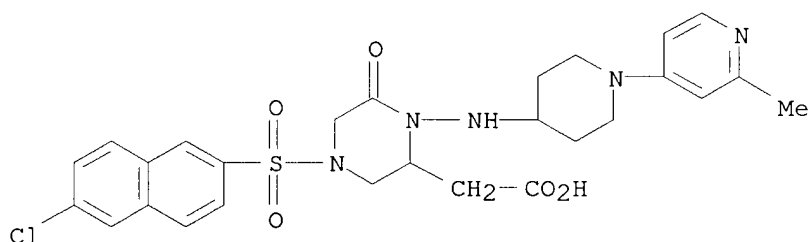
RN 315491-66-8 CAPLUS

CN 2-Piperazineacetamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



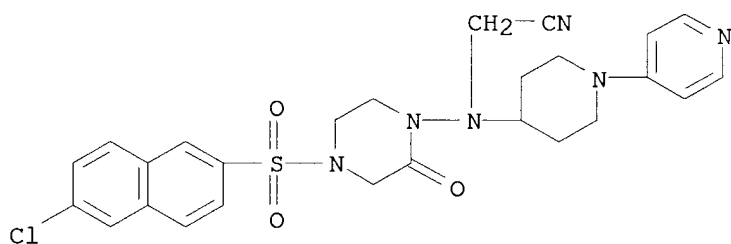
RN 315491-71-5 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



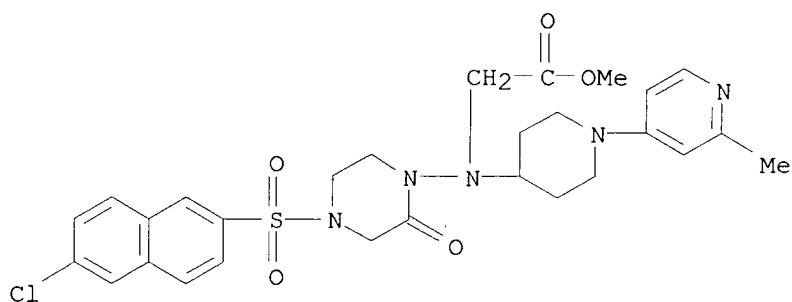
RN 315491-75-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(cyanomethyl)[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



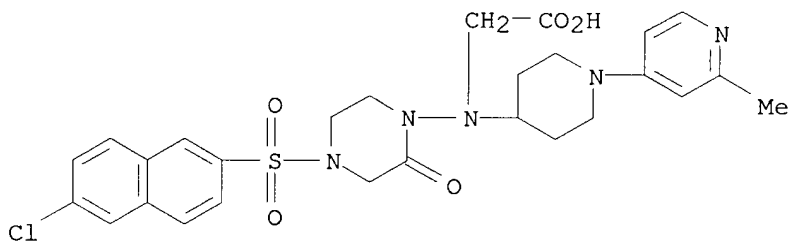
RN 315491-79-3 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]-, methyl ester (9CI) (CA INDEX NAME)



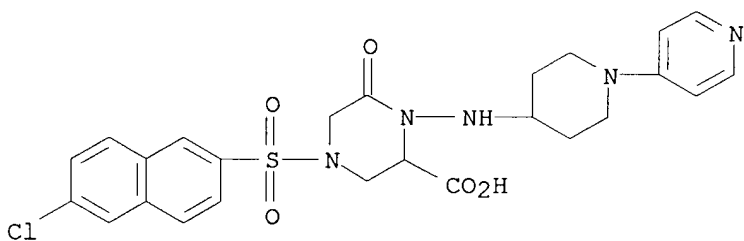
RN 315491-88-4 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-N-[1-(2-methyl-4-pyridinyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



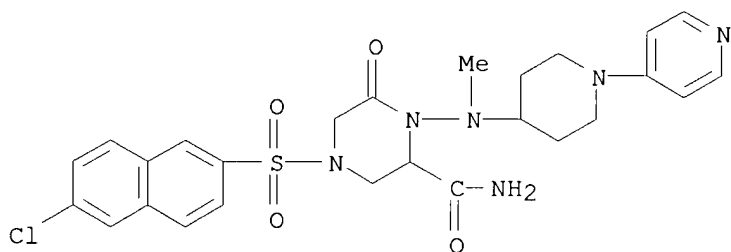
RN 315492-23-0 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



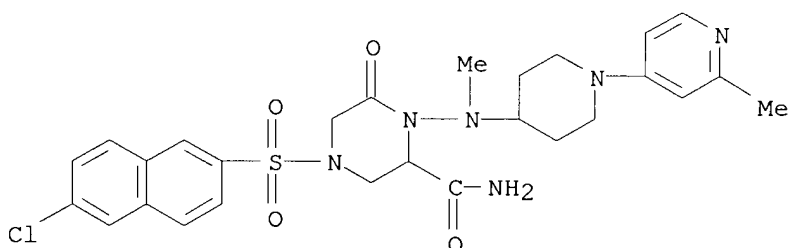
RN 315492-30-9 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



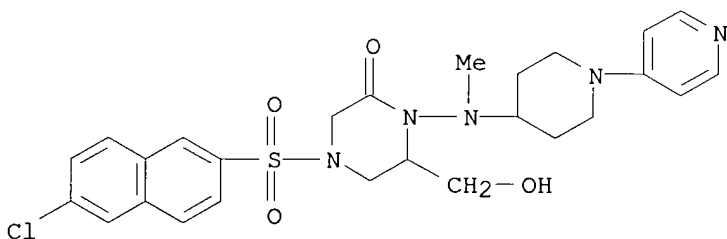
RN 315492-34-3 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-6-oxo- (9CI) (CA INDEX NAME)



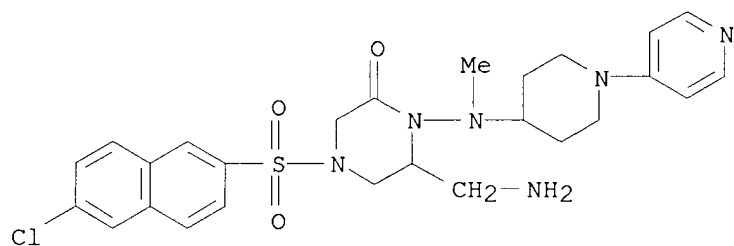
RN 315492-38-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



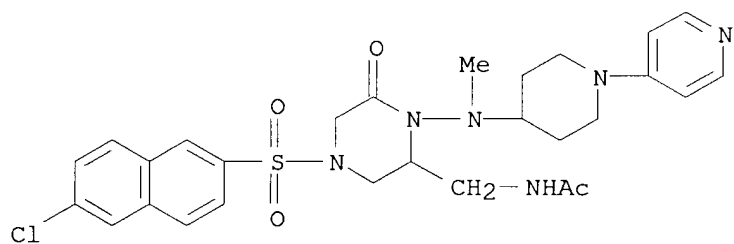
RN 315492-42-3 CAPLUS

CN Piperazinone, 6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



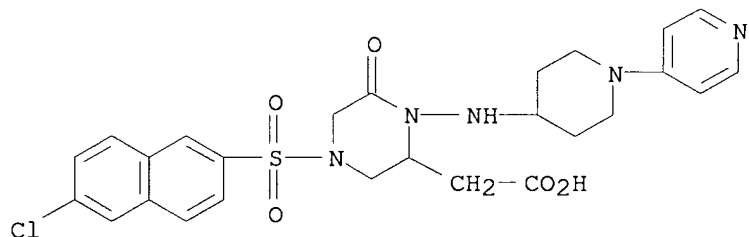
RN 315492-46-7 CAPLUS

CN Acetamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-6-oxo-2-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



RN 315492-50-3 CAPLUS

CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



IT 9001-29-0, Blood coagulation factor X

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);

BIOL (Biological study); OCCU (Occurrence)

(prepn. and effect of acylhydrazine derivs. as activated blood coagulation factor X inhibitors)

RN 9001-29-0 CAPLUS

CN Blood-coagulation factor X (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 77-76-9 79-37-8, Oxalyl chloride 98-58-8,

4-Bromobenzenesulfonyl chloride 98-60-2, 4-Chlorobenzenesulfonyl

chloride 107-08-4, n-Propyl iodide 108-00-9,

N,N-Dimethylethylenediamine 123-90-0, Thiomorpholine

124-41-4, Sodium methoxide 141-52-6, Sodium ethoxide
 177-11-7, 1,4-Dioxo-8-azaspiro[4.5]decane 501-53-1
 611-35-8, 4-Chloroquinoline 624-75-9, Iodoacetone nitrile
 626-67-5, 1-Methylpiperidine 645-36-3,
 2,2-Diethoxyethylamine 691-64-5 700-16-3,
 Pentafluoropyridine 870-46-2, tert-Butoxycarbonylhydrazine
 872-50-4, 1-Methyl-2-pyrrolidinone, reactions 937-14-4
 1117-71-1 1138-80-3, N-Benzoyloxycarbonylglycine
 2208-07-3, Ethylacetimidate hydrochloride 2488-15-5,
 Boc-L-methionine 2592-95-2, 1-Hydroxy-1H-benzotriazole
 2633-67-2, 4-Vinylbenzenesulfonyl chloride 2712-78-9,
 [Bis(trifluoroacetoxy)iodo]benzene 3678-63-5,
 4-Chloro-2-picoline 4248-19-5, Carbamic acid tert-butyl ester
 5382-16-1, 4-Hydroxypiperidine 5470-22-4,
 4-Chloropyridine-2-carboxylic acid 5625-67-2, 2-Piperazinone
 6168-72-5, 2-Amino-1-propanol 7087-68-5,
 N-Ethyl-diisopropylamine 7252-83-7, Bromoacetaldehyde dimethyl
 acetal 7379-35-3, 4-Chloropyridine hydrochloride
 13734-36-6 19524-06-2, 4-Bromopyridine hydrochloride
 19524-08-4 19798-80-2, 2-Amino-4-chloropyridine
 19961-27-4, Isopropylethylamine 29880-22-6
 41979-39-9, 4-Piperidone hydrochloride 49827-15-8
 50637-98-4, 6-Bromonaphthalene-2-sulfonyl chloride
 52147-98-5 54303-30-9, 2-(Ethylthio)ethylamine
 hydrochloride 56875-60-6, 7-Methoxynaphthalene-2-sulfonyl
 chloride 63071-10-3 69812-29-9, 2-Acetamido-4-
 methylthiazole-5-sulfonyl chloride 72804-96-7,
 O-Diphenylphosphinylhydroxylamine 79099-07-3,
 1-(tert-Butoxycarbonyl)-4-piperidone 93913-86-1,
 1-(4-Pyridinyl)-4-piperidinecarboxylic acid 98821-28-4
 102153-63-9, 6-Chloronaphthalene-2-sulfonyl chloride
 102153-64-0 117934-33-5, 4-Chloro-2,6-dimethylpyridine
 hydrochloride 128852-02-8 128852-07-3
 156761-88-5 157688-46-5, 1-(tert-Butoxycarbonyl)-4-
 piperidinylacetic acid 166964-33-6, 5-Chloro-3-
 methylbenzo[b]thiophene-2-sulfonyl chloride 176977-85-8
 198206-61-0 205055-20-5 205055-23-8
 220655-06-1, Thiomorpholine 1,1-dioxide trifluoroacetate
 239074-33-0 239074-34-1 264624-20-6
 315494-83-8 315494-94-1 315495-02-4
 315495-15-9 315495-26-2 315495-30-8
 315495-38-6 315495-45-5 315495-96-6
 315496-06-1 315496-27-6 315496-34-5
 315496-38-9 315496-41-4 315496-69-6
 315496-73-2 315496-80-1 315497-15-5
 315497-19-9 315497-92-8 315498-76-1
 315498-85-2

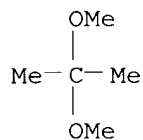
RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. and effect of acylhydrazine derivs. as activated blood
coagulation factor X inhibitors)

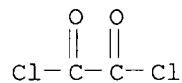
RN 77-76-9 CAPLUS

CN Propane, 2,2-dimethoxy- (9CI) (CA INDEX NAME)

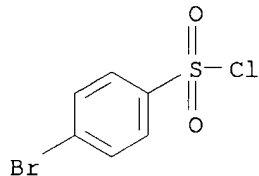
10/018,962



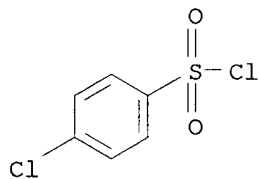
RN 79-37-8 CAPLUS
CN Ethanedioyl dichloride (9CI) (CA INDEX NAME)



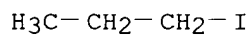
RN 98-58-8 CAPLUS
CN Benzenesulfonyl chloride, 4-bromo- (9CI) (CA INDEX NAME)



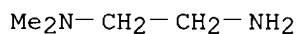
RN 98-60-2 CAPLUS
CN Benzenesulfonyl chloride, 4-chloro- (9CI) (CA INDEX NAME)



RN 107-08-4 CAPLUS
CN Propane, 1-iodo- (8CI, 9CI) (CA INDEX NAME)

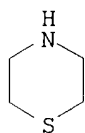


RN 108-00-9 CAPLUS
CN 1,2-Ethanediamine, N,N-dimethyl- (9CI) (CA INDEX NAME)

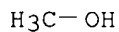


RN 123-90-0 CAPLUS
CN Thiomorpholine (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

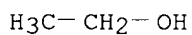
10/018,962



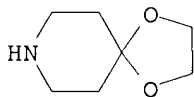
RN 124-41-4 CAPLUS
CN Methanol, sodium salt (8CI, 9CI) (CA INDEX NAME)



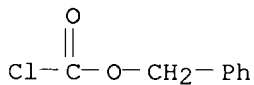
RN 141-52-6 CAPLUS
CN Ethanol, sodium salt (9CI) (CA INDEX NAME)



RN 177-11-7 CAPLUS
CN 1,4-Dioxo-8-azaspiro[4.5]decane (7CI, 8CI, 9CI) (CA INDEX NAME)

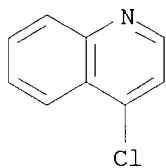


RN 501-53-1 CAPLUS
CN Carbonochloridic acid, phenylmethyl ester (9CI) (CA INDEX NAME)

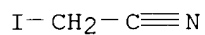


RN 611-35-8 CAPLUS
CN Quinoline, 4-chloro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

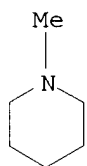
10/018,962



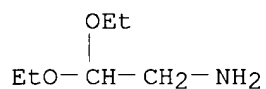
RN 624-75-9 CAPLUS
CN Acetonitrile, iodo- (7CI, 8CI, 9CI) (CA INDEX NAME)



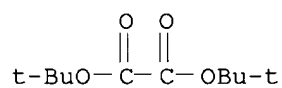
RN 626-67-5 CAPLUS
CN Piperidine, 1-methyl- (8CI, 9CI) (CA INDEX NAME)



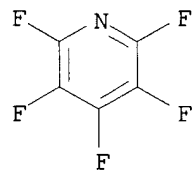
RN 645-36-3 CAPLUS
CN Ethanamine, 2,2-diethoxy- (9CI) (CA INDEX NAME)



RN 691-64-5 CAPLUS
CN Ethanedioic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



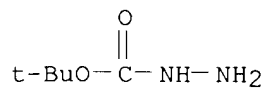
RN 700-16-3 CAPLUS
CN Pyridine, pentafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



10/018,962

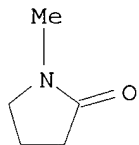
RN 870-46-2 CAPLUS

CN Hydrazinecarboxylic acid, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



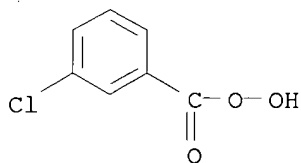
RN 872-50-4 CAPLUS

CN 2-Pyrrolidinone, 1-methyl- (7CI, 8CI, 9CI) (CA INDEX NAME)



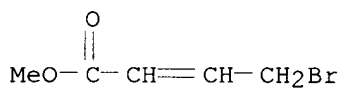
RN 937-14-4 CAPLUS

CN Benzenecarboperoxoic acid, 3-chloro- (9CI) (CA INDEX NAME)



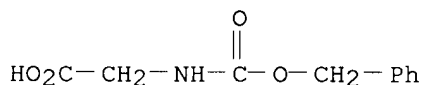
RN 1117-71-1 CAPLUS

CN 2-Butenoic acid, 4-bromo-, methyl ester (9CI) (CA INDEX NAME)



RN 1138-80-3 CAPLUS

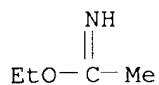
CN Glycine, N-[(phenylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)



RN 2208-07-3 CAPLUS

CN Ethanimidic acid, ethyl ester, hydrochloride (9CI) (CA INDEX NAME)

10/018,962

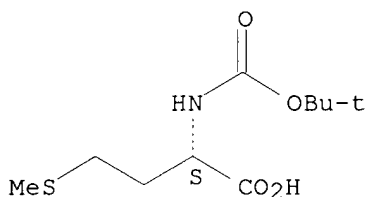


○ HCl

RN 2488-15-5 CAPLUS

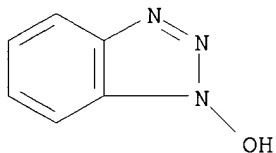
CN L-Methionine, N-[(1,1-dimethylethoxy)carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



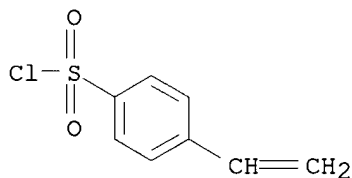
RN 2592-95-2 CAPLUS

CN 1H-Benzotriazole, 1-hydroxy- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



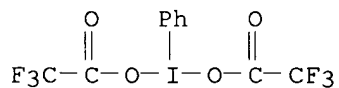
RN 2633-67-2 CAPLUS

CN Benzenesulfonyl chloride, 4-ethenyl- (9CI) (CA INDEX NAME)



RN 2712-78-9 CAPLUS

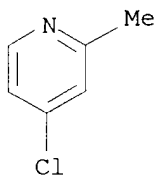
CN Iodine, phenylbis(trifluoroacetato- κ O)- (9CI) (CA INDEX NAME)



RN 3678-63-5 CAPLUS

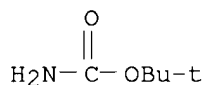
10/018,962

CN Pyridine, 4-chloro-2-methyl- (9CI) (CA INDEX NAME)



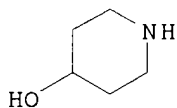
RN 4248-19-5 CAPLUS

CN Carbamic acid, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



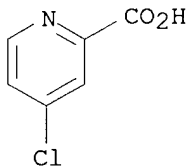
RN 5382-16-1 CAPLUS

CN 4-Piperidinol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



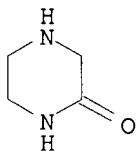
RN 5470-22-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-chloro- (9CI) (CA INDEX NAME)



RN 5625-67-2 CAPLUS

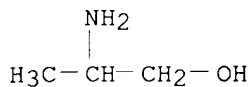
CN Piperazinone (8CI, 9CI) (CA INDEX NAME)



RN 6168-72-5 CAPLUS

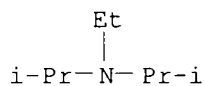
CN 1-Propanol, 2-amino- (9CI) (CA INDEX NAME)

10/018,962



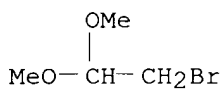
RN 7087-68-5 CAPLUS

CN 2-Propanamine, N-ethyl-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



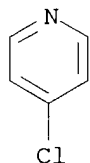
RN 7252-83-7 CAPLUS

CN Ethane, 2-bromo-1,1-dimethoxy- (9CI) (CA INDEX NAME)



RN 7379-35-3 CAPLUS

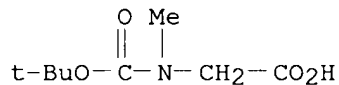
CN Pyridine, 4-chloro-, hydrochloride (8CI, 9CI) (CA INDEX NAME)



⊙ HCl

RN 13734-36-6 CAPLUS

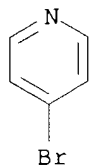
CN Glycine, N-[(1,1-dimethylethoxy)carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 19524-06-2 CAPLUS

CN Pyridine, 4-bromo-, hydrochloride (7CI, 8CI, 9CI) (CA INDEX NAME)

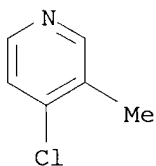
10/018,962



○ HCl

RN 19524-08-4 CAPLUS

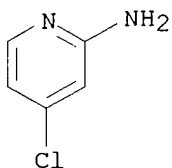
CN Pyridine, 4-chloro-3-methyl-, hydrochloride (9CI) (CA INDEX NAME)



○ HCl

RN 19798-80-2 CAPLUS

CN 2-Pyridinamine, 4-chloro- (9CI) (CA INDEX NAME)



RN 19961-27-4 CAPLUS

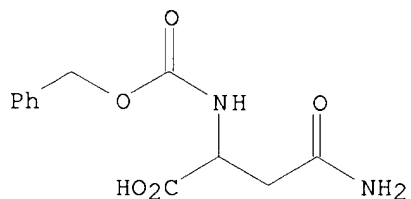
CN 2-Propanamine, N-ethyl- (9CI) (CA INDEX NAME)

Et--NH--Pr-i

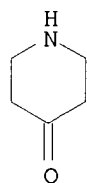
RN 29880-22-6 CAPLUS

CN Asparagine, N2-[(phenylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)

10/018,962

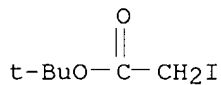


RN 41979-39-9 CAPLUS
CN 4-Piperidinone, hydrochloride (9CI) (CA INDEX NAME)

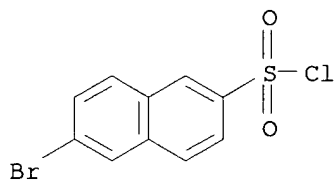


● HCl

RN 49827-15-8 CAPLUS
CN Acetic acid, iodo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



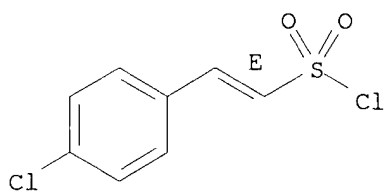
RN 50637-98-4 CAPLUS
CN 2-Naphthalenesulfonyl chloride, 6-bromo- (9CI) (CA INDEX NAME)



RN 52147-98-5 CAPLUS
CN Ethenesulfonyl chloride, 2-(4-chlorophenyl)-, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

10/018,962



RN 54303-30-9 CAPLUS

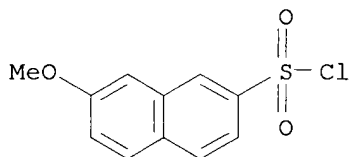
CN Ethanamine, 2-(ethylthio)-, hydrochloride (9CI) (CA INDEX NAME)

EtS-CH₂-CH₂-NH₂

⊕ HCl

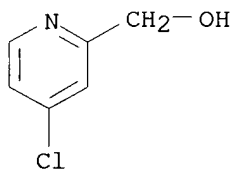
RN 56875-60-6 CAPLUS

CN 2-Naphthalenesulfonyl chloride, 7-methoxy- (9CI) (CA INDEX NAME)



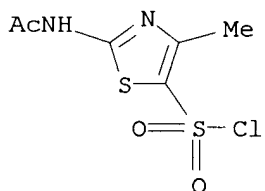
RN 63071-10-3 CAPLUS

CN 2-Pyridinemethanol, 4-chloro- (6CI, 9CI) (CA INDEX NAME)



RN 69812-29-9 CAPLUS

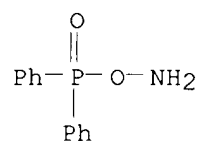
CN 5-Thiazolesulfonyl chloride, 2-(acetylamino)-4-methyl- (9CI) (CA INDEX NAME)



10/018,962

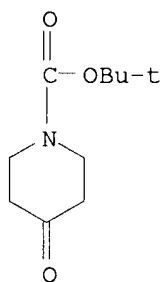
RN 72804-96-7 CAPLUS

CN Hydroxylamine, O-(diphenylphosphinyl)- (9CI) (CA INDEX NAME)



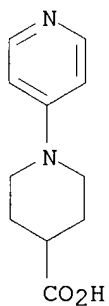
RN 79099-07-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 93913-86-1 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-(4-pyridinyl)- (9CI) (CA INDEX NAME)

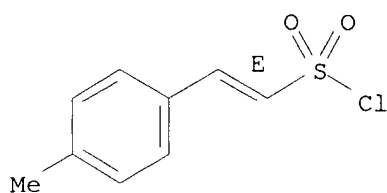


RN 98821-28-4 CAPLUS

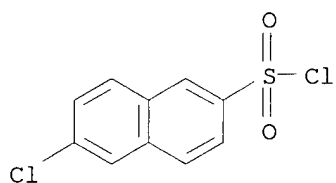
CN Ethenesulfonyl chloride, 2-(4-methylphenyl)-, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

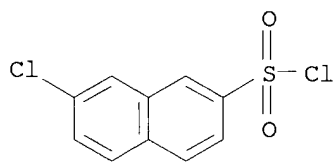
10/018,962



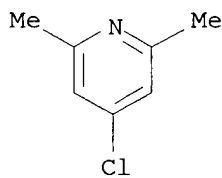
RN 102153-63-9 CAPLUS
CN 2-Naphthalenesulfonyl chloride, 6-chloro- (6CI, 9CI) (CA INDEX NAME)



RN 102153-64-0 CAPLUS
CN 2-Naphthalenesulfonyl chloride, 7-chloro- (6CI, 9CI) (CA INDEX NAME)



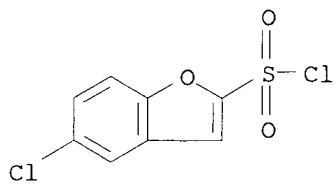
RN 117934-33-5 CAPLUS
CN Pyridine, 4-chloro-2,6-dimethyl-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

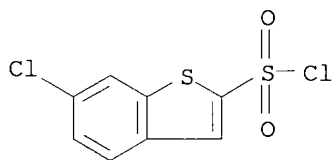
RN 128852-02-8 CAPLUS
CN 2-Benzofuransulfonyl chloride, 5-chloro- (9CI) (CA INDEX NAME)

10/018,962



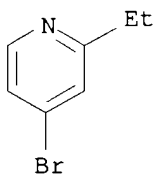
RN 128852-07-3 CAPLUS

CN Benzo[b]thiophene-2-sulfonyl chloride, 6-chloro- (9CI) (CA INDEX NAME)



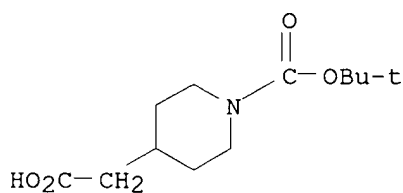
RN 156761-88-5 CAPLUS

CN Pyridine, 4-bromo-2-ethyl- (9CI) (CA INDEX NAME)



RN 157688-46-5 CAPLUS

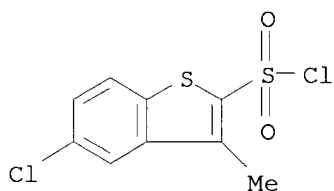
CN 4-Piperidineacetic acid, 1-[(1,1-dimethylethoxy)carbonyl]- (9CI) (CA INDEX NAME)



RN 166964-33-6 CAPLUS

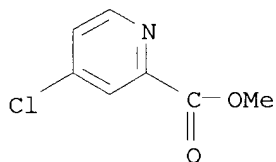
CN Benzo[b]thiophene-2-sulfonyl chloride, 5-chloro-3-methyl- (9CI) (CA INDEX NAME)

10/018,962



RN 176977-85-8 CAPLUS

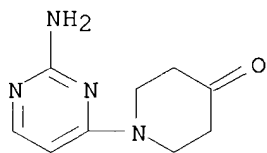
CN 2-Pyridinecarboxylic acid, 4-chloro-, methyl ester, hydrochloride (9CI)
(CA INDEX NAME)



⊗ HCl

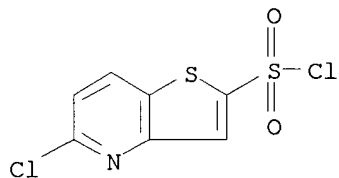
RN 198206-61-0 CAPLUS

CN 4-Piperidinone, 1-(2-amino-4-pyrimidinyl)- (9CI) (CA INDEX NAME)



RN 205055-20-5 CAPLUS

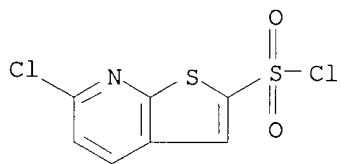
CN Thieno[3,2-b]pyridine-2-sulfonyl chloride, 5-chloro- (9CI) (CA INDEX NAME)



RN 205055-23-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-sulfonyl chloride, 6-chloro- (9CI) (CA INDEX NAME)

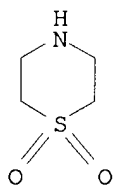
10/018,962



RN 220655-06-1 CAPLUS
CN Thiomorpholine, 1,1-dioxide, trifluoroacetate (9CI) (CA INDEX NAME)

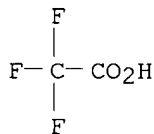
CM 1

CRN 39093-93-1
CMF C4 H9 N O2 S

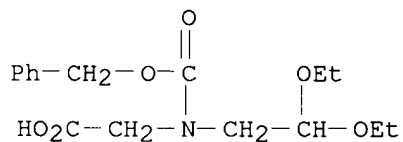


CM 2

CRN 76-05-1
CMF C2 H F3 O2

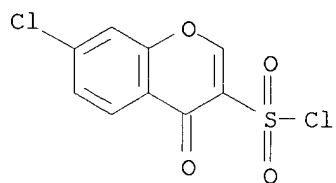


RN 239074-33-0 CAPLUS
CN Glycine, N-(2,2-diethoxyethyl)-N-[(phenylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)



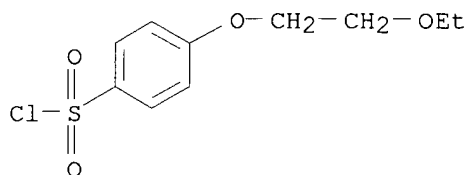
RN 239074-34-1 CAPLUS
CN 4H-1-Benzopyran-3-sulfonyl chloride, 7-chloro-4-oxo- (9CI) (CA INDEX NAME)

10/018,962



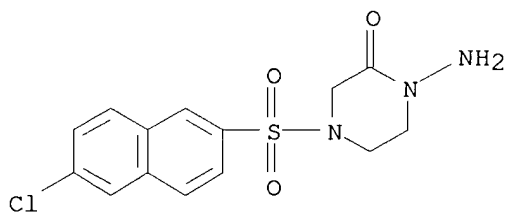
RN 264624-20-6 CAPLUS

CN Benzenesulfonyl chloride, 4-(2-ethoxyethoxy)- (9CI) (CA INDEX NAME)



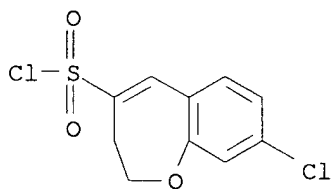
RN 315494-83-8 CAPLUS

CN Piperazinone, 1-amino-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



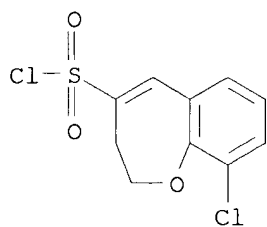
RN 315494-94-1 CAPLUS

CN 1-Benzoxepin-4-sulfonyl chloride, 8-chloro-2,3-dihydro- (9CI) (CA INDEX NAME)

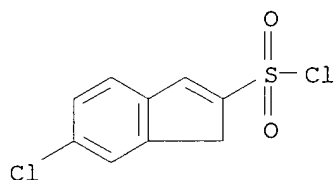


RN 315495-02-4 CAPLUS

CN 1-Benzoxepin-4-sulfonyl chloride, 9-chloro-2,3-dihydro- (9CI) (CA INDEX NAME)

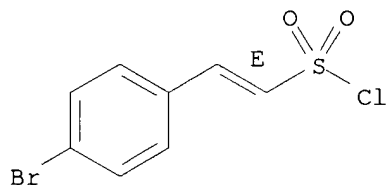


RN 315495-15-9 CAPLUS
 CN 1H-Indene-2-sulfonyl chloride, 6-chloro- (9CI) (CA INDEX NAME)



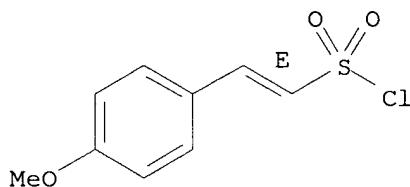
RN 315495-26-2 CAPLUS
 CN Ethenesulfonyl chloride, 2-(4-bromophenyl)-, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



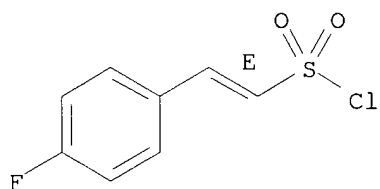
RN 315495-30-8 CAPLUS
 CN Ethenesulfonyl chloride, 2-(4-methoxyphenyl)-, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

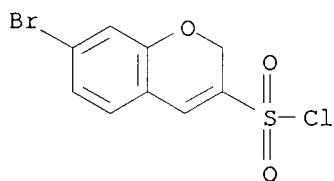


RN 315495-38-6 CAPLUS
 CN Ethenesulfonyl chloride, 2-(4-fluorophenyl)-, (1E)- (9CI) (CA INDEX NAME)

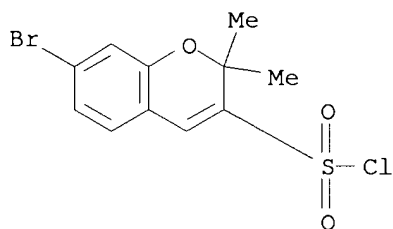
Double bond geometry as shown.



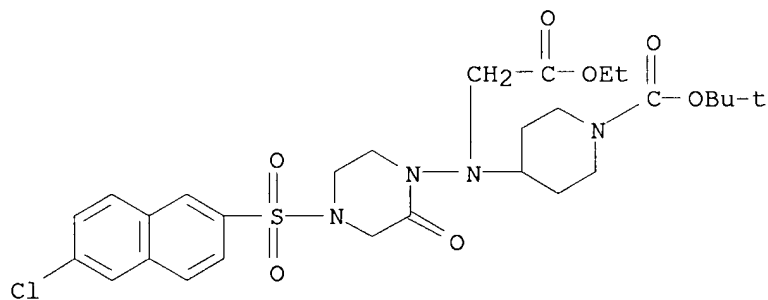
RN 315495-45-5 CAPLUS
CN 2H-1-Benzopyran-3-sulfonyl chloride, 7-bromo- (9CI) (CA INDEX NAME)



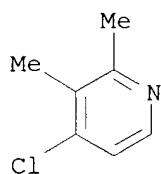
RN 315495-96-6 CAPLUS
CN 2H-1-Benzopyran-3-sulfonyl chloride, 7-bromo-2,2-dimethyl- (9CI) (CA INDEX NAME)



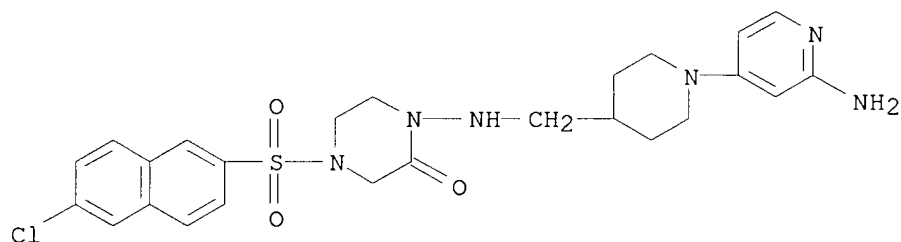
RN 315496-06-1 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl](2-ethoxy-2-oxoethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



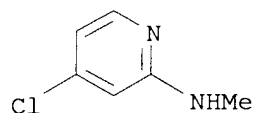
RN 315496-27-6 CAPLUS
CN Pyridine, 4-chloro-2,3-dimethyl- (9CI) (CA INDEX NAME)



RN 315496-34-5 CAPLUS
 CN Piperazinone, 1-[[[1-(2-amino-4-pyridinyl)-4-piperidinyl]methyl]amino]-4-
 [(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)

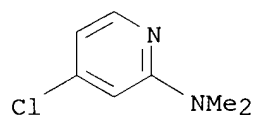


RN 315496-38-9 CAPLUS
 CN 2-Pyridinamine, 4-chloro-N-methyl-, monohydrochloride (9CI) (CA INDEX
 NAME)



○ HCl

RN 315496-41-4 CAPLUS
 CN 2-Pyridinamine, 4-chloro-N,N-dimethyl-, monohydrochloride (9CI) (CA INDEX
 NAME)

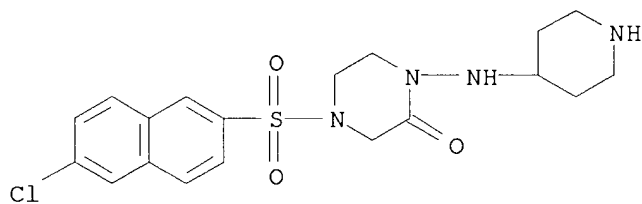


● HCl

RN 315496-69-6 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-(4-piperidinylamino)-

10/018,962

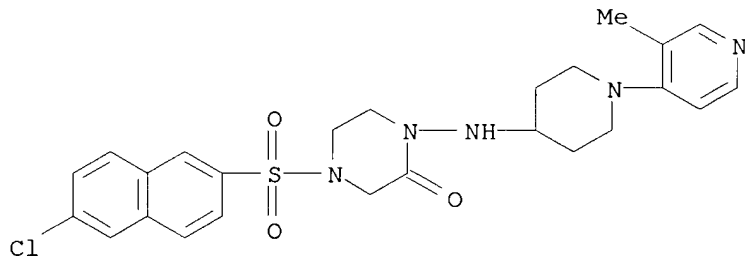
, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

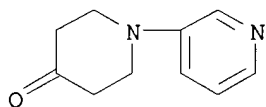
RN 315496-73-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(3-methyl-4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



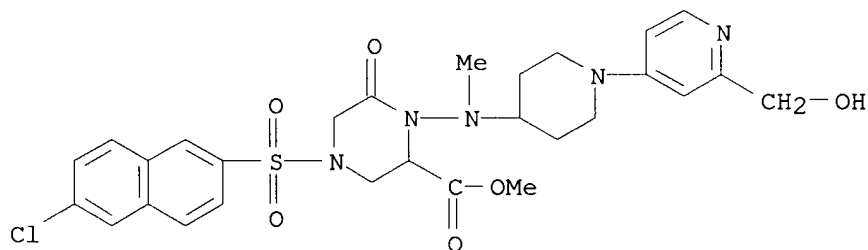
RN 315496-80-1 CAPLUS

CN 4-Piperidinone, 1-(3-pyridinyl)- (9CI) (CA INDEX NAME)



RN 315497-15-5 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]methylamino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

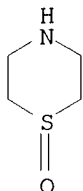


10/018,962

RN 315497-19-9 CAPLUS
CN Thiomorpholine, 1-oxide, trifluoroacetate (9CI) (CA INDEX NAME)

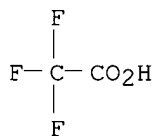
CM 1

CRN 39213-13-3
CMF C4 H9 N O S

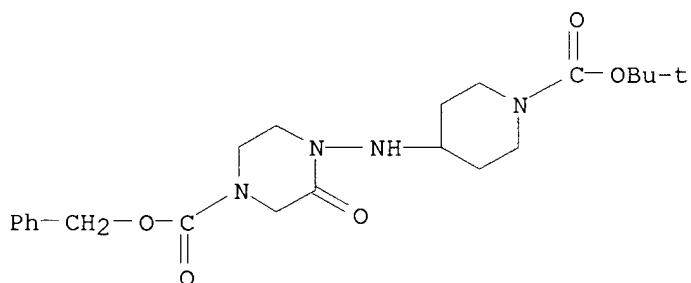


CM 2

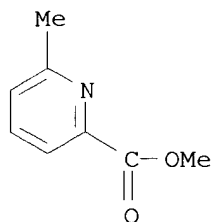
CRN 76-05-1
CMF C2 H F3 O2



RN 315497-92-8 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]amino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

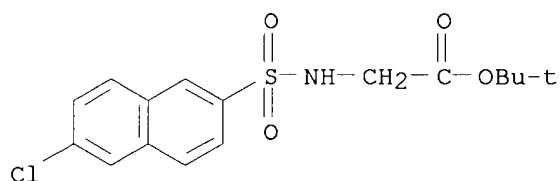


RN 315498-76-1 CAPLUS
CN 2-Pyridinecarboxylic acid, 6-methyl-, methyl ester, hydrochloride (9CI)
(CA INDEX NAME)



O HCl

RN 315498-85-2 CAPLUS

CN Glycine, N-[(6-chloro-2-naphthalenyl)sulfonyl]-, 1,1-dimethylethyl ester
(9CI) (CA INDEX NAME)

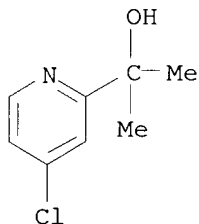
IT 40472-76-2P 41337-77-3P 76003-29-7P
 78818-15-2P, 4-Benzylloxycarbonyl-2-piperazinone
 87905-97-3P 96628-83-0P 98280-32-1P
 119396-04-2P 126832-81-3P, 1-(4-Pyridyl)-4-piperidone
 166954-75-2P 180748-30-5P 239073-00-8P
 315492-64-9P 315492-68-3P 315492-72-9P
 315492-77-4P 315492-81-0P 315492-85-4P
 315492-89-8P 315492-93-4P 315492-97-8P
 315493-01-7P 315493-05-1P 315493-09-5P
 315493-13-1P 315493-18-6P 315493-22-2P
 315493-26-6P 315493-31-3P 315493-35-7P
 315493-39-1P 315493-43-7P 315493-47-1P
 315493-51-7P 315493-60-8P 315493-64-2P
 315493-68-6P 315493-76-6P 315493-80-2P
 315493-84-6P 315494-03-2P 315494-10-1P
 315494-14-5P 315494-18-9P 315494-22-5P
 315494-26-9P 315494-30-5P 315494-34-9P
 315494-38-3P 315494-42-9P 315494-49-6P
 315494-53-2P 315494-57-6P 315494-61-2P
 315495-55-7P 315495-81-9P 315497-35-9P
 315497-43-9P 315497-59-7P 315497-63-3P
 315497-67-7P 315497-71-3P 315497-89-3P
 315498-08-9P 315498-15-8P 315498-26-1P
 315498-37-4P 315498-41-0P 315498-45-4P
 315498-50-1P 315498-58-9P 315498-62-5P
 315498-67-0P 315498-72-7P 315498-93-2P
 315498-97-6P 315499-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

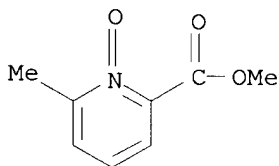
(prepn. and effect of acylhydrazine derivs. as activated blood

10/018,962

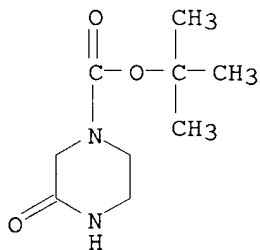
coagulation factor X inhibitors)
RN 40472-76-2 CAPLUS
CN 2-Pyridinemethanol, 4-chloro-.alpha.,.alpha.-dimethyl- (9CI) (CA INDEX NAME)



RN 41337-77-3 CAPLUS
CN 2-Pyridinecarboxylic acid, 6-methyl-, methyl ester, 1-oxide (9CI) (CA INDEX NAME)

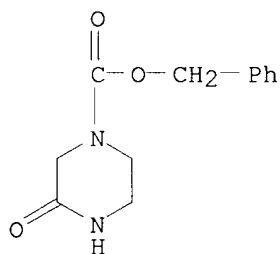


RN 76003-29-7 CAPLUS
CN 1-Piperazinecarboxylic acid, 3-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



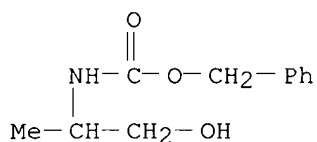
RN 78818-15-2 CAPLUS
CN 1-Piperazinecarboxylic acid, 3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

10/018,962



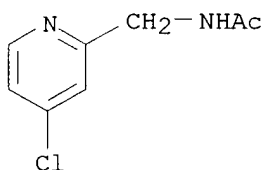
RN 87905-97-3 CAPLUS

CN Carbamic acid, (2-hydroxy-1-methylethyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)



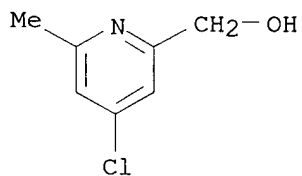
RN 96628-83-0 CAPLUS

CN Acetamide, N-[(4-chloro-2-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



RN 98280-32-1 CAPLUS

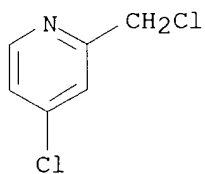
CN 2-Pyridinemethanol, 4-chloro-6-methyl- (6CI, 9CI) (CA INDEX NAME)



RN 119396-04-2 CAPLUS

CN Pyridine, 4-chloro-2-(chloromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

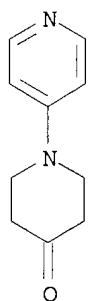
10/018,962



⊕ HCl

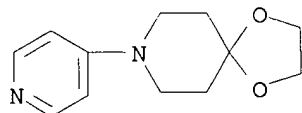
RN 126832-81-3 CAPLUS

CN 4-Piperidinone, 1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



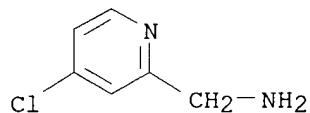
RN 166954-75-2 CAPLUS

CN 1,4-Dioxo-8-azaspiro[4.5]decane, 8-(4-pyridinyl)- (9CI) (CA INDEX NAME)



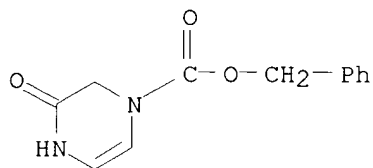
RN 180748-30-5 CAPLUS

CN 2-Pyridinemethanamine, 4-chloro- (9CI) (CA INDEX NAME)



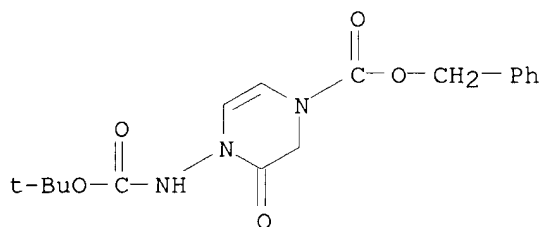
RN 239073-00-8 CAPLUS

CN 1(2H)-Pyrazinecarboxylic acid, 3,4-dihydro-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



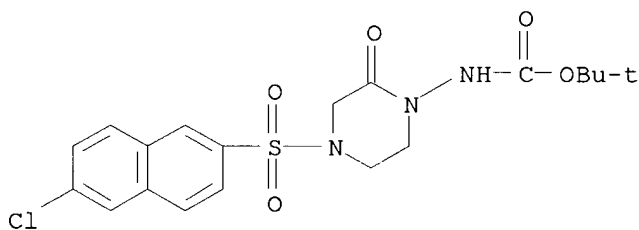
RN 315492-64-9 CAPLUS

CN 1(2H)-Pyrazinecarboxylic acid, 4-[[1,1-dimethylethoxy]carbonyl]amino]-3,4-dihydro-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



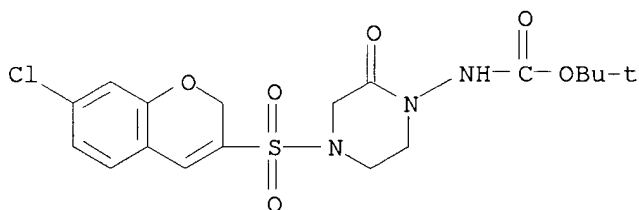
RN 315492-68-3 CAPLUS

CN Carbamic acid, [4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



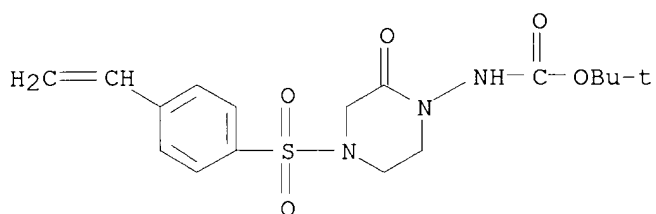
RN 315492-72-9 CAPLUS

CN Carbamic acid, [4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



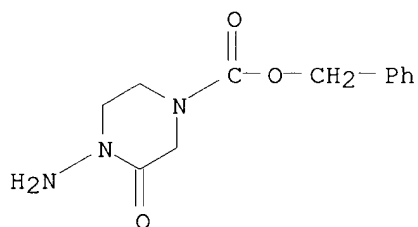
RN 315492-77-4 CAPLUS

CN Carbamic acid, [4-[(4-ethenylphenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



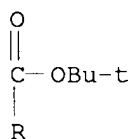
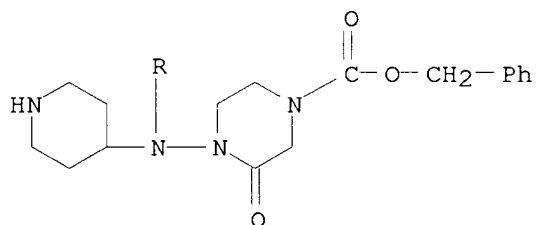
RN 315492-81-0 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-amino-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



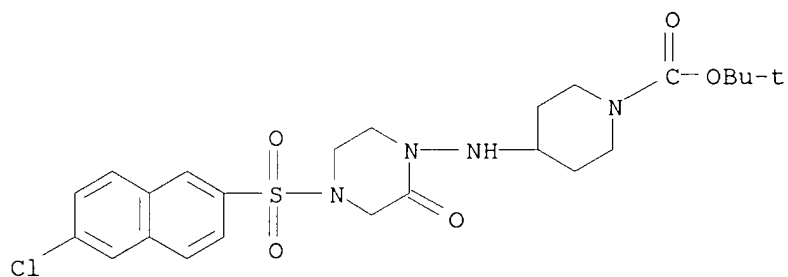
RN 315492-85-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[[(1,1-dimethylethoxy)carbonyl]-4-piperidinylamino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

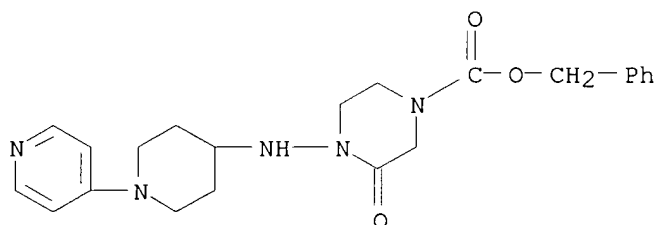


RN 315492-89-8 CAPLUS

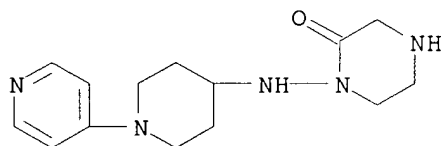
CN 1-Piperidinecarboxylic acid, 4-[[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315492-93-4 CAPLUS
 CN 1-Piperazinecarboxylic acid, 3-oxo-4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, phenylmethyl ester (9CI) (CA INDEX NAME)



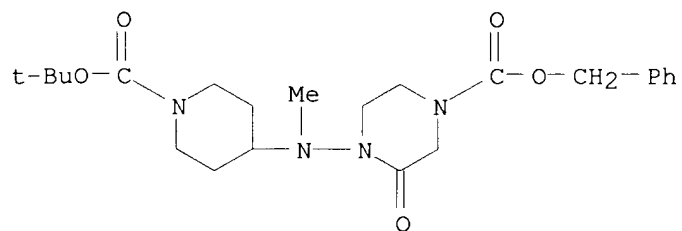
RN 315492-97-8 CAPLUS
 CN Piperazinone, 1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, trihydrochloride (9CI) (CA INDEX NAME)



O3 HCl

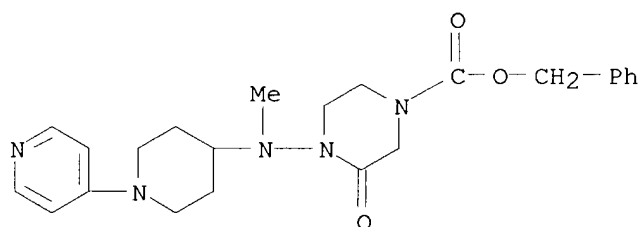
RN 315493-01-7 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]methylamino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

10/018,962



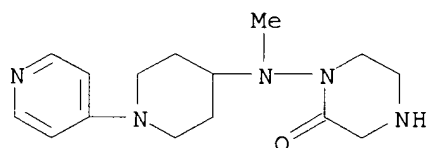
RN 315493-05-1 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 315493-09-5 CAPLUS

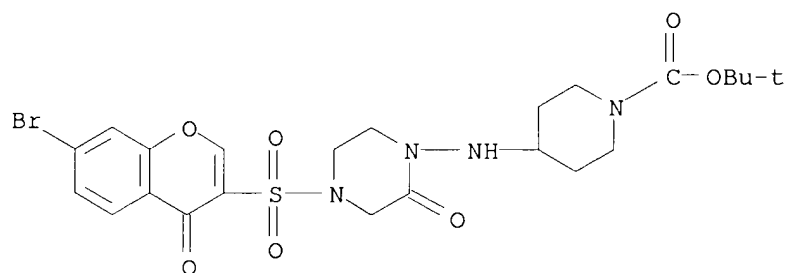
CN Piperazinone, 1-[methyl[1-(4-pyridinyl)-4-piperidinyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

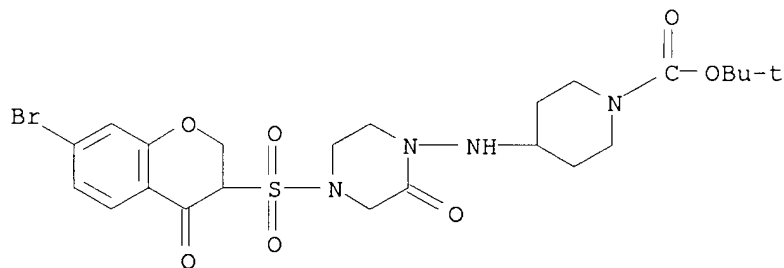
RN 315493-13-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(7-bromo-4-oxo-4H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



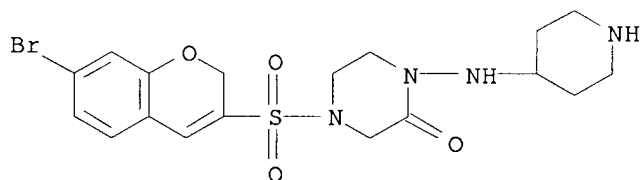
RN 315493-18-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(7-bromo-3,4-dihydro-4-oxo-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



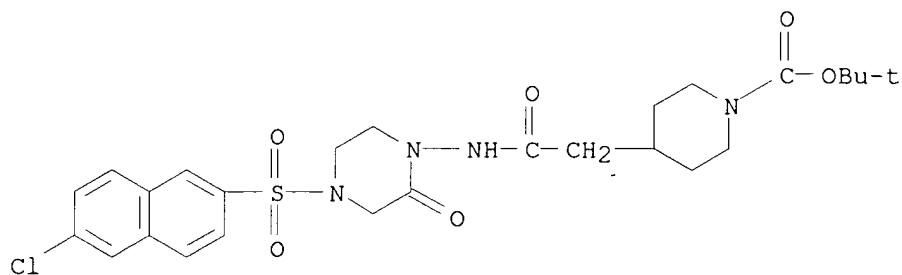
RN 315493-22-2 CAPLUS

CN Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-(4-piperidinylamino)- (9CI) (CA INDEX NAME)



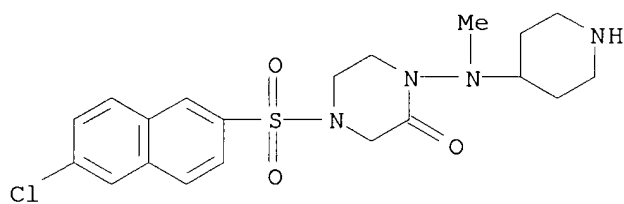
RN 315493-26-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[2-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



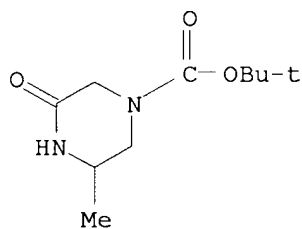
RN 315493-31-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-(methyl-4-piperidinylamino)- (9CI) (CA INDEX NAME)



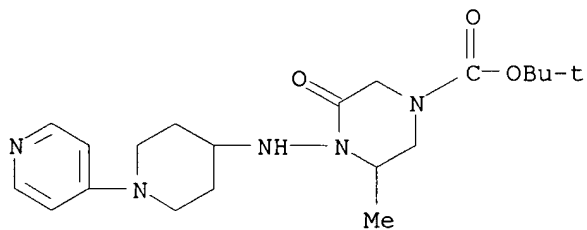
RN 315493-35-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 3-methyl-5-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315493-39-1 CAPLUS

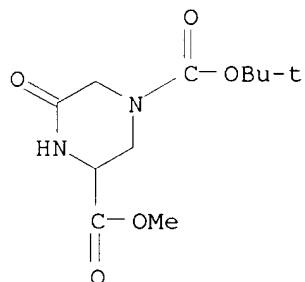
CN 1-Piperazinecarboxylic acid, 3-methyl-5-oxo-4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315493-43-7 CAPLUS

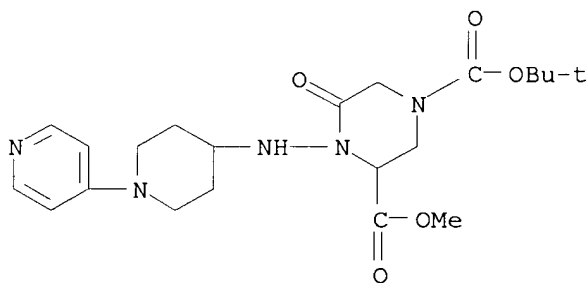
10/018,962

CN 1,3-Piperazinedicarboxylic acid, 5-oxo-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)



RN 315493-47-1 CAPLUS

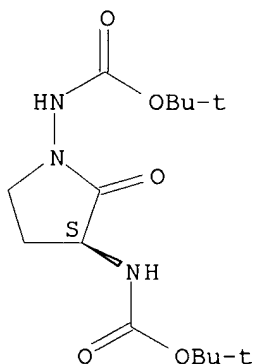
CN 1,3-Piperazinedicarboxylic acid, 5-oxo-4-[[1-(4-pyridinyl)-4-piperidinyl]amino]-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)



RN 315493-51-7 CAPLUS

CN Carbamic acid, [(3S)-2-oxo-1,3-pyrrolidinediyl]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

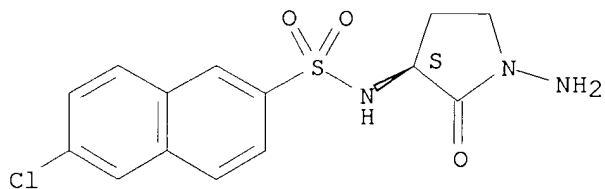


RN 315493-60-8 CAPLUS

CN 2-Naphthalenesulfonamide, N-[(3S)-1-amino-2-oxo-3-pyrrolidinyl]-6-chloro- (9CI) (CA INDEX NAME)

10/018,962

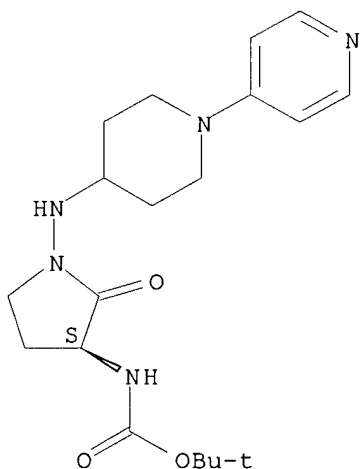
Absolute stereochemistry.



RN 315493-64-2 CAPLUS

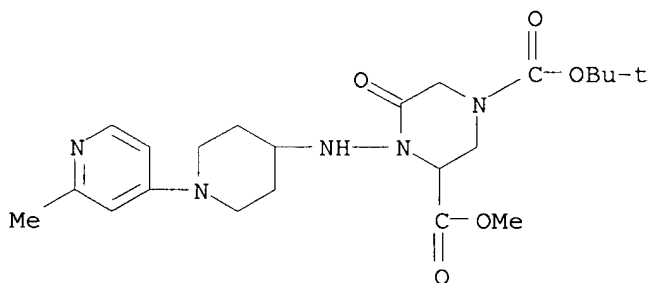
CN Carbamic acid, [(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



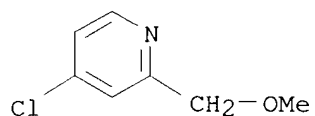
RN 315493-68-6 CAPLUS

CN 1,3-Piperazinedicarboxylic acid, 4-[[1-(2-methyl-4-pyridinyl)-4-piperidinyl]amino]-5-oxo-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)

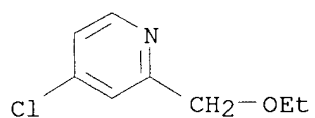


RN 315493-76-6 CAPLUS

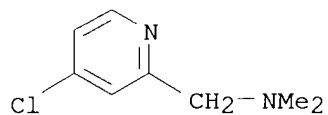
CN Pyridine, 4-chloro-2-(methoxymethyl)- (9CI) (CA INDEX NAME)



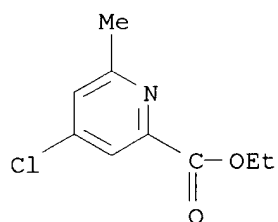
RN 315493-80-2 CAPLUS
CN Pyridine, 4-chloro-2-(ethoxymethyl)- (9CI) (CA INDEX NAME)



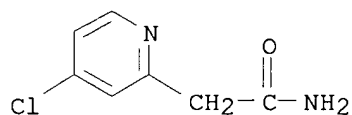
RN 315493-84-6 CAPLUS
CN 2-Pyridinemethanamine, 4-chloro-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 315494-03-2 CAPLUS
CN 2-Pyridinecarboxylic acid, 4-chloro-6-methyl-, ethyl ester (9CI) (CA INDEX NAME)

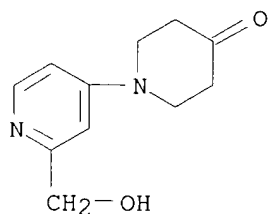


RN 315494-10-1 CAPLUS
CN 2-Pyridineacetamide, 4-chloro- (9CI) (CA INDEX NAME)



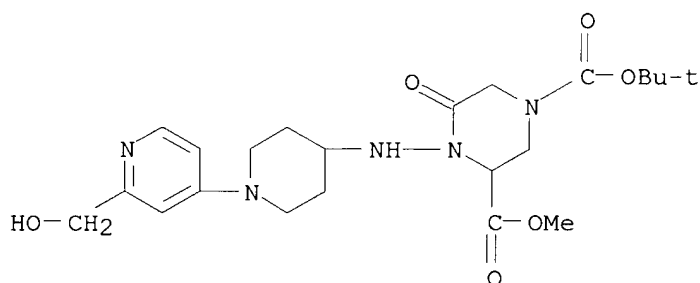
RN 315494-14-5 CAPLUS
CN 4-Piperidinone, 1-[2-(hydroxymethyl)-4-pyridinyl]- (9CI) (CA INDEX NAME)

10/018,962



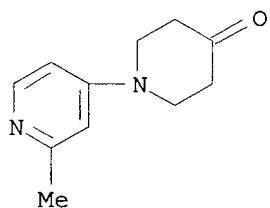
RN 315494-18-9 CAPLUS

CN 1,3-Piperazinedicarboxylic acid, 4-[[1-[2-(hydroxymethyl)-4-pyridinyl]-4-piperidinyl]amino]-5-oxo-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)



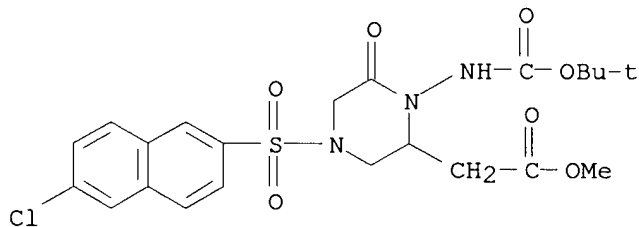
RN 315494-22-5 CAPLUS

CN 4-Piperidinone, 1-(2-methyl-4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 315494-26-9 CAPLUS

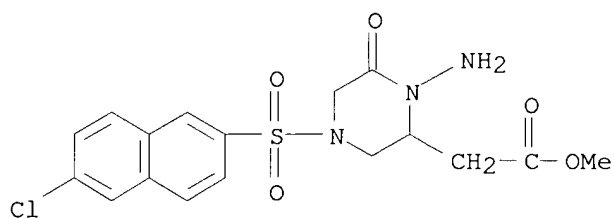
CN 2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(1,1-dimethylethoxy)carbonyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 315494-30-5 CAPLUS

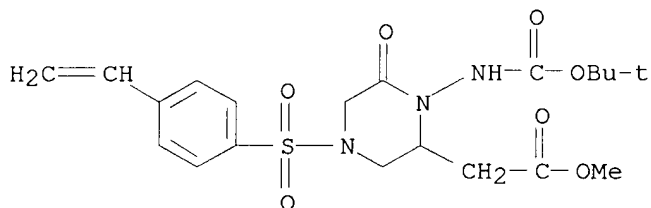
10/018,962

CN 2-Piperazineacetic acid, 1-amino-4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



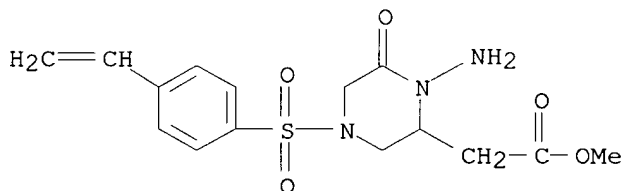
RN 315494-34-9 CAPLUS

CN 2-Piperazineacetic acid, 1-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-[(4-ethenylphenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



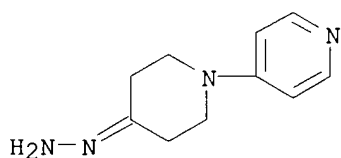
RN 315494-38-3 CAPLUS

CN 2-Piperazineacetic acid, 1-amino-4-[(4-ethenylphenyl)sulfonyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



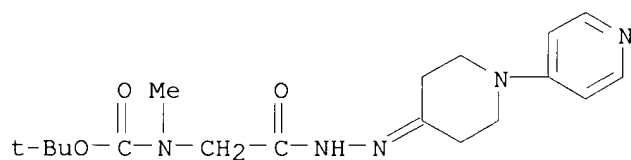
RN 315494-42-9 CAPLUS

CN 4-Piperidinone, 1-(4-pyridinyl)-, hydrazone (9CI) (CA INDEX NAME)



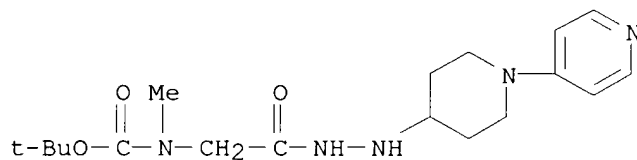
RN 315494-49-6 CAPLUS

CN Glycine, N-[(1,1-dimethylethoxy)carbonyl]-N-methyl-, [1-(4-pyridinyl)-4-piperidinylidene]hydrazide (9CI) (CA INDEX NAME)



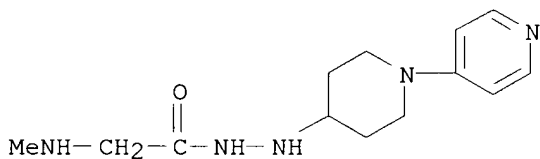
RN 315494-53-2 CAPLUS

CN Glycine, N-[(1,1-dimethylethoxy)carbonyl]-N-methyl-, 2-[1-(4-pyridinyl)-4-piperidinyl]hydrazide (9CI) (CA INDEX NAME)



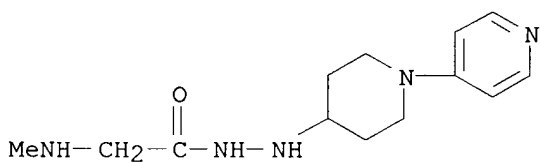
RN 315494-57-6 CAPLUS

CN Glycine, N-methyl-, 2-[1-(4-pyridinyl)-4-piperidinyl]hydrazide (9CI) (CA INDEX NAME)



RN 315494-61-2 CAPLUS

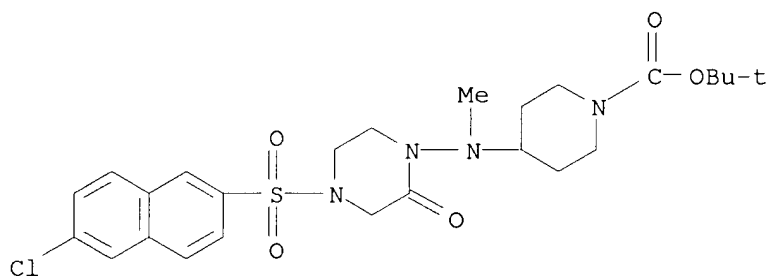
CN Glycine, N-methyl-, 2-[1-(4-pyridinyl)-4-piperidinyl]hydrazide, trihydrochloride (9CI) (CA INDEX NAME)



O3 HCl

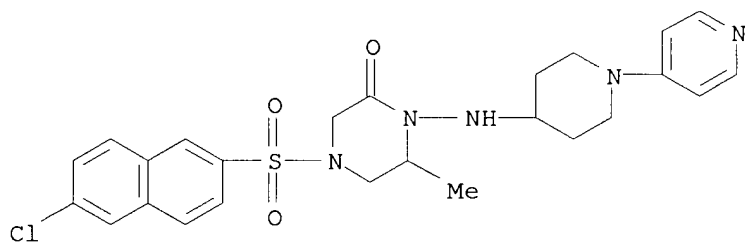
RN 315495-55-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methylamino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



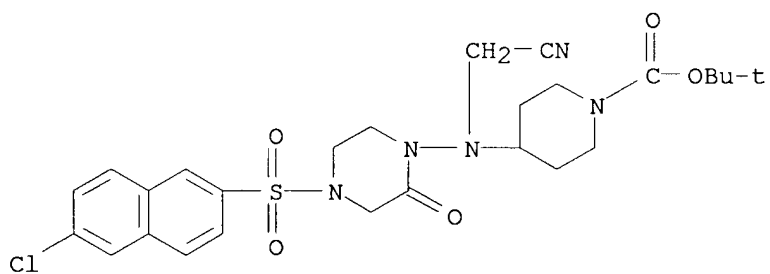
RN 315495-81-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]amino]- (9CI) (CA INDEX NAME)



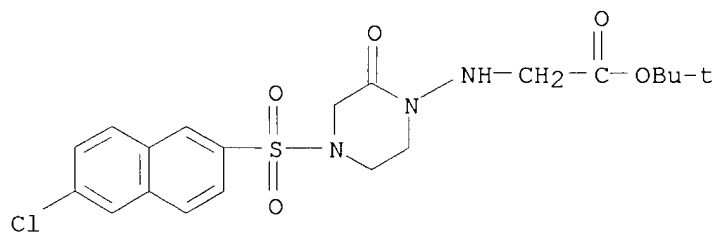
RN 315497-35-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl](cyanomethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



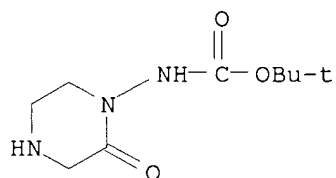
RN 315497-43-9 CAPLUS

CN Glycine, N-[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



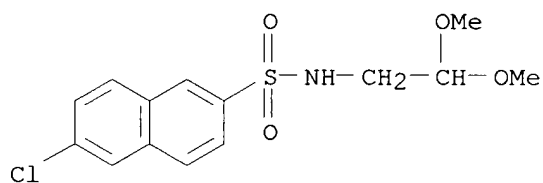
RN 315497-59-7 CAPLUS

CN Carbamic acid, (2-oxo-1-piperazinyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



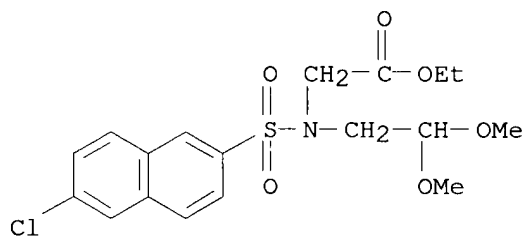
RN 315497-63-3 CAPLUS

CN 2-Naphthalenesulfonamide, 6-chloro-N-(2,2-dimethoxyethyl)- (9CI) (CA INDEX NAME)



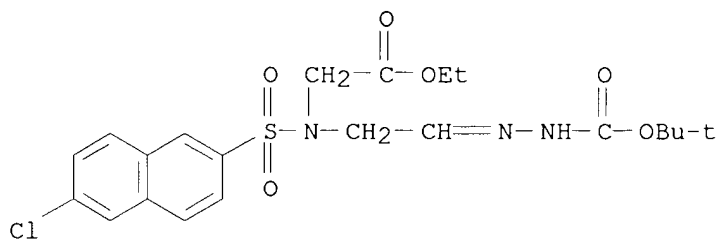
RN 315497-67-7 CAPLUS

CN Glycine, N-[(6-chloro-2-naphthalenyl)sulfonyl]-N-(2,2-dimethoxyethyl)-, ethyl ester (9CI) (CA INDEX NAME)



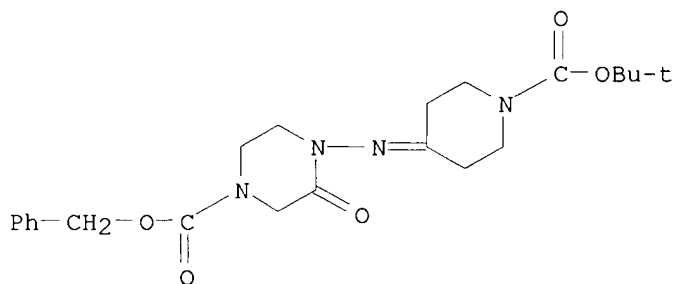
RN 315497-71-3 CAPLUS

CN Hydrazinecarboxylic acid, [2-[[[(6-chloro-2-naphthalenyl)sulfonyl](2-ethoxy-2-oxoethyl)amino]ethylidene]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



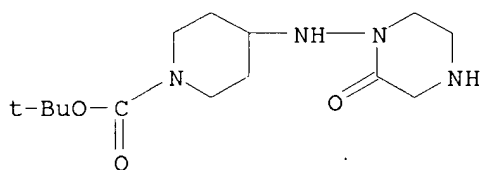
RN 315497-89-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyldene]amino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



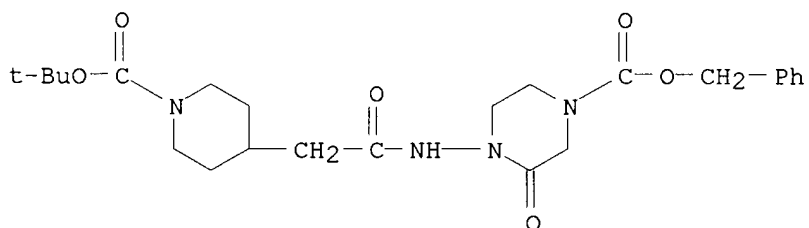
RN 315498-08-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(2-oxo-1-piperazinyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 315498-15-8 CAPLUS

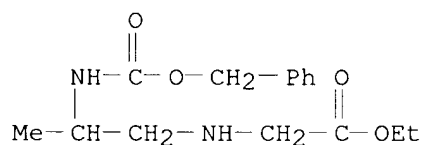
CN 1-Piperazinecarboxylic acid, 4-[[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyldene]amino]-3-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



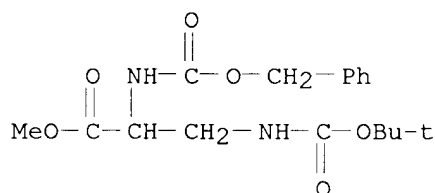
RN 315498-26-1 CAPLUS

CN Glycine, N-[2-[(phenylmethoxy)carbonyl]amino]propyl]-, ethyl ester (9CI)

(CA INDEX NAME)



RN 315498-37-4 CAPLUS

CN Alanine, 3-[[(1,1-dimethylethoxy)carbonyl]amino]-N-
[(phenylmethoxy)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

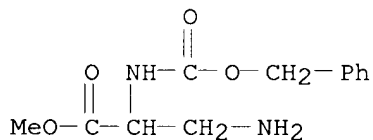
RN 315498-41-0 CAPLUS

CN Alanine, 3-amino-N-[(phenylmethoxy)carbonyl]-, methyl ester,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 185564-12-9

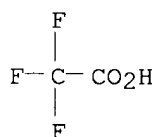
CMF C12 H16 N2 O4



CM 2

CRN 76-05-1

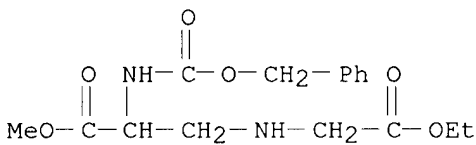
CMF C2 H F3 O2



RN 315498-45-4 CAPLUS

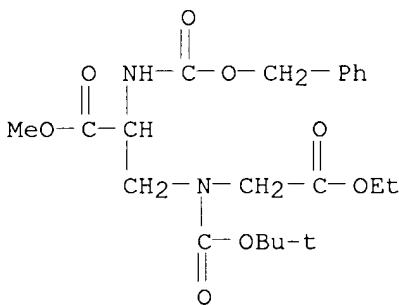
CN Alanine, 3-[(2-ethoxy-2-oxoethyl)amino]-N-[(phenylmethoxy)carbonyl]-,
methyl ester (9CI) (CA INDEX NAME)

10/018,962



RN 315498-50-1 CAPLUS

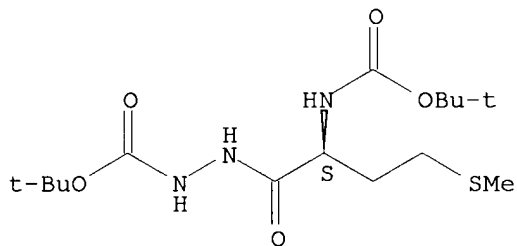
CN Alanine, 3-[[[(1,1-dimethylethoxy)carbonyl](2-ethoxy-2-oxoethyl)amino]-N-
[(phenylmethoxy)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 315498-58-9 CAPLUS

CN Hydrazinecarboxylic acid, 2-[(2S)-2-[[[1,1-dimethylethoxy]carbonyl]amino]-4-(methylthio)-1-oxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

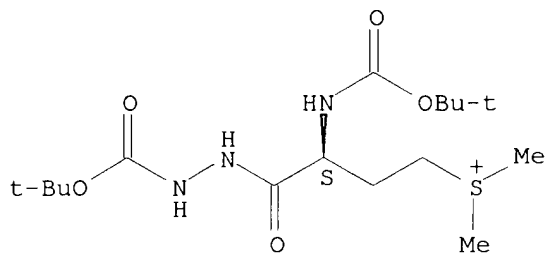
Absolute stereochemistry.



RN 315498-62-5 CAPLUS

CN Sulfonium, [(3S)-3-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-4-oxobutyl]dimethyl-, iodide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

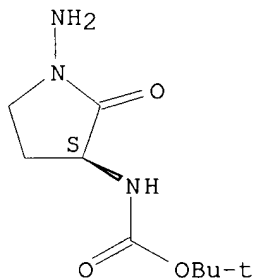


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RN 315498-67-0 CAPLUS

CN Carbamic acid, [(3S)-1-amino-2-oxo-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

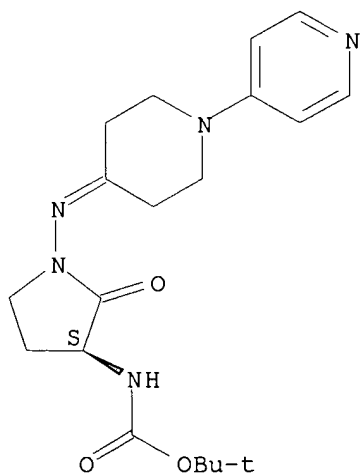
Absolute stereochemistry.



RN 315498-72-7 CAPLUS

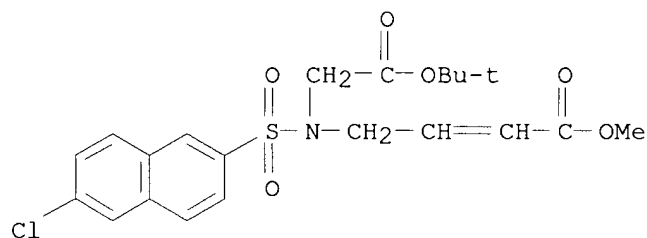
CN Carbamic acid, [(3S)-2-oxo-1-[[1-(4-pyridinyl)-4-piperidinylidene]amino]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



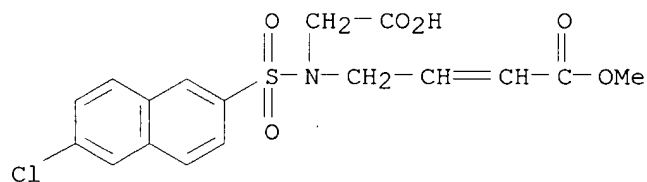
RN 315498-93-2 CAPLUS

CN 2-Butenoic acid, 4-[[(6-chloro-2-naphthalenyl)sulfonyl][2-(1,1-dimethylethoxy)-2-oxoethyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



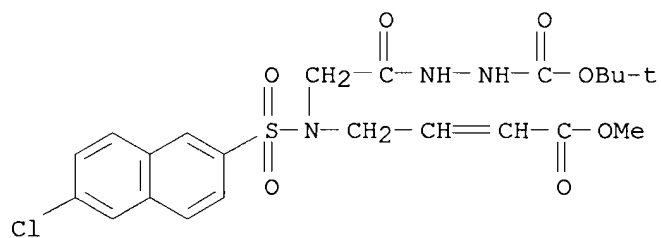
RN 315498-97-6 CAPLUS

CN 2-Butenoic acid, 4-[(carboxymethyl)[(6-chloro-2-naphthalenyl)sulfonyl]amino]-, 1-methyl ester (9CI) (CA INDEX NAME)

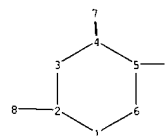
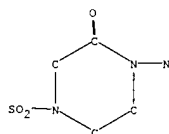


RN 315499-01-5 CAPLUS

CN Hydrazinecarboxylic acid, 2-[[[(6-chloro-2-naphthalenyl)sulfonyl] (4-methoxy-4-oxo-2-butenyl)amino]acetyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



piperozinones only



chain nodes :

7 8 9

ring nodes :

1 2 3 4 5 6

chain bonds :

2-8 4-7 5-9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 2-8 3-4 4-5 4-7 5-6 5-9

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS